ADDENDUM

Project: B.01 CT Site Prep | Project No. (Architect) : 1138 | Addendum No.: 01

Project Address: 500 Foothill Dr. Salt Lake City, Utah | Date: 06/06/13

Owner: Veterans Affairs Medical Center (VAMC)

From (Architect): Tracy Stocking & Associates

Instructions to Prospective Bidders:

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents and/or prior Addenda as noted below. All conditions, requirements, materials and workmanship are to be as described in the Contract Documents unless specifically stated otherwise.

1. **Changes to prior Addenda:** n/a

2. **Changes to Bidding Requirements:** n/a

3. **Changes to Conditions of the Contract:** n/a

4. **Changes to Specifications:**

   a. Section 081400 - *Change* Interior wood doors from cherry to red oak veneer.
   b. Section 060660 - *Change* the style of the resin ceiling panels as follows (revisions are underlined):
      2.2-A-5-a: CT Ceilings: "Current Porcelain Full + Midnight"
         1) Front Finish: "Sandstone"
         2) Back Finish: "Super Matte"
   c. Section 075419 - *Replace* the entire section with the new section 075420 attached.

5. **Changes to Drawings:**

   a. Sheet AS101

      i. *Add* the requirement for the landscaped area with the "grass-like" hatch pattern to receive sod and topsoil. Add Keynote 15.

   b. Sheet AD101

      i. *Add* the requirement to remove a 16" wide x 96" high portion of the existing CMU shear wall at the East wall of the existing CT Room. Add Keynote 25.
      ii. *Deleted* the requirement to remove existing EIFS from Keynote 12.

   c. Sheet AD401-

      i. Remove Keynote 6.

   d. Sheet AE301 – Longitudinal Section A

      i. *Delete* the keynote 18 reference at the ceiling of the corridor.

e. Sheet AE302 – Detail B

    i. *Add* the detail reference at the light cove from XX/AE603 to 14/AE603.

f. Sheet AE401

    i. Add new patient lifts see keynote 23

g. Sheet AE501

    i. Walls: Paint Color Change. Use SW7011 *Natural Choice* in lieu of SW7010 *White Duck.*

h. ELECTRICAL

    i. See attached electrical addendum document and associated revised drawings.

End of Addendum

Job: B.01 CT SITE PREP AND BUILDING DESIGN
Job No: 20120278
Date: June 11, 2013

ELECTRICAL – DIV 26

Sheet EL101

1. The normal (non-emergency) CM-99 fixtures in the existing corridor shall be fed by reconnecting to existing corridor lighting circuit and control. (This is marked and added as keyed note #3).
2. Sub Waiting Room # 1D03 Shall have a wall mounted vacancy switch in the west wall for the lighting in the room.
3. Dressing Rooms #1D15 and #1D09 shall have wall mounted vacancy switches installed by the door for the lighting in the room.

Sheet EL601

1. The following lighting fixtures have been reviewed and have been found to be acceptable for use on this project, subject to compliance with the project documents:

   Type: CM-14D:

   Neo-Ray # 52DIP/2T5-STXX-XX-8D-U-DB-DU-S85

   Litecontrol #P-ID-59M48T5-PBSS/O-TCWM-LP/ELB-TW-2CWQ-ECSS-UNIV-DIM

   Type: DF-14:

   Portfolio #CD61242E 6CLH1421LI HB26

   Gotham Lighting #AF 1/32TRT 6AR MVOLT

   Type: DF-14D:

Portfolio #CD6142D42 6CLH1421LI HB26

Gotham Lighting #AF 1/32TRT 6AR MVOLT ADZT

Type: DF-15:

Portfolio #CLW6132E 6491LI HB26

Gotham Lighting #DLWF 1/32TRT 6AR MVOLT

Type DF-99:

Lightolier #8011CL-4118VU-D4A04

Type: DX-1:

Lumenpulse #LCS-HO-24/120-RMT PWR SUPPLY-XX-40K-FR-XX-XX-WH-DIM

Insight Lighting #PL 10W 40K 160 HM 48 REM MW MRI/C1 100 PWR PL—277 / DC JUMPERS

Type: DX-2:

Kenall #CSMRI22-G-C1-18L65K-24VDC-BLANK

Insight Lighting #VT22 40K REM W MRI / C1 100 PWR

Type: S-1:

Nulite #SA2-28T5-UNV-PS-N

Belfer #2825 28T5 2 E WH

LA Lighting #MXAST200-14M-1E5-UNV

Type: SC-2:

Nulite #SAT-128T5-UNV-PS-N

Belfer #2825 14T5 2 E WH

LA Lighting: MXST200-1-2M-1ES-UNV

Type: TX-1:

Nulite #RT4-2T8-UNV-PSN-1C-ST-4/8

Pinnacle: E4SA-2T8-XX-NF-UNV-1CW W/E4SCI

Type: TX-2:

Waldmann #D14947000 LED 20 C L 1

SHEET EY101 (See attached sheet)

1. Change nurse call system to wireless call assist system. Connect with wireless system installed in phase #1.

SHEET EY101 (See attached sheet)

1. Revised detail B1 on sheet EY602 for CCTV system. Matches changes made in phase #1.

SECTION 07 54 20
POLYVINYL-CHLORIDE (PVC) ROOFING

PART 1 - GENERAL

1.1 DESCRIPTION

A. Co-polymer Alloy(CPA) sheet roofing system adhered to roof deck.

1.2 RELATED WORK

A. Treated wood framing, blocking, and nailers: Section 06 10 00, ROUGH CARPENTRY

B. Roof Insulation: Section 07 22 00, ROOF AND DECK INSULATION.

C. Sheet metal components and wind uplift requirements for roof-edge design: Section 07 60 00, FLASHING AND SHEET METAL.

D. Roof hatches, equipment supports, dome type skylights, and gravity ventilators: Section 07 72 00, ROOF ACCESSORIES

1.3 APPLICABLE PUBLICATIONS

A. Publications listed below form a part of this specification to the extent referenced. Publications are referenced in the text by the basic designation only. Editions of applicable publications current on date of issue of bidding documents apply unless otherwise indicated.

B. American National Standards Institute/Single-Ply Roofing Institute (ANSI/SPRI):

ANSI/SPRI ES-1-03.....Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems.

C. American Society of Civil Engineers/Structural Engineering Institute (ASCE/SEI):

ASCE/SEI-7-10.....Minimum Design Loads for Buildings and Other Structures

D. ASTM International (ASTM):

C1371-04.....Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers

C1549-04.....Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer

D2240-05.....Rubber Property - Durometer Hardness

D4263-83(2005).....Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method

D4434-06.....Poly (Vinyl Chloride) Sheet Roofing

E96-00.....Water Vapor Transmission of Materials

E108-10.....Standard Test Methods for Fire Tests of Roof Coverings

E408-71(R2008).....Standard Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques

E1918-06.....Standard Test Method for Measuring Solar Reflectance of Horizontal and Low-Sloped Surfaces in the Field

E1980-01.....Standard Test Method for Measuring Solar Reflectance of Horizontal and Low-Sloped Surfaces in the Field

G21-09.....Resistance of Synthetic Polymeric Materials to Fungi

E. American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE)

ASHRAE 90.1-2007.....Energy Standard for Buildings Except Low-Rise Residential Buildings, Appendix f.

F. Cool Roof Rating Council:

CRRC-1.....Product Rating Program, www.coolroofs.org

G. FM Approvals: RoofNav Approved Roofing Assemblies and Products.

4450-89.....Approved Standard for Class 1 Insulated Steel Deck Roofs

4470-10.....Approved Standard for Class 1 Roof Coverings

1-28-09.....Loss Prevention Data Sheet: Design Wind Loads.

1-29-09.....Loss Prevention Data Sheet: Above-Deck Roof Components

1-49-09.....Loss Prevention Data Sheet: Perimeter Flashing

H. National Roofing Contractors Association: Roofing and Waterproofing Manual

I. U.S. Department of Agriculture (USDA): USDA BioPreferred Catalog, www.biopreferred.gov

J. U.S. Department of Energy (DoE): Roof Products Qualified Product List, www.energystar.gov

1.4 PERFORMANCE REQUIREMENTS

A. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by membrane roofing manufacturer based on testing and field experience.

B. Roofing System Energy Performance Requirements: Provide a roofing system identical to components that that have been successfully tested by a qualified independent testing and inspecting agency to meet the following requirements:

1. Energy Performance, Energy Star: Provide roofing system that is listed on DOE's ENERGY STAR "Roof Products Qualified Product List" for low-slope roof products.

1.5 QUALITY CONTROL

A. Installer Qualifications:

1. Licensed or approved in writing by manufacturer to perform work under warranty requirements of this Section.
2. Employ full-time supervisors knowledgeable and experienced in roofing of similar types and scopes, and able to communicate with owner and workers.

B. Inspector Qualifications: Inspection of work by third-party technical inspector or technical representative of manufacturer experienced in the installation and maintenance of the specified roofing system, qualified to perform roofing observation and inspection specified in Field Quality Control Article, to determine Installer’s compliance with the requirements of this Project, and approved by the manufacturer to issue warranty certification. The Roofing Inspector shall be one of the following:

1. An authorized full-time technical employee of the manufacturer, not engaged in the sale of products.
2. An independent party certified as a Registered Roof Observer by the Roof Consultants Institute (RCI), retained by the Contractor or the Manufacturer and approved by the Manufacturer.

C. Product/Material Requirements:

1. The roofing membrane used in the polyester reinforced Co-Polymer Alloy (CPA) Single-Ply roofing system shall be a product of a membrane manufacturer having at least 20 years of single-ply roofing experience.
2. Obtain products from single manufacturer or from sources recommended by manufacturer for use with roofing system and incorporated in manufacturer's warranty.
3. Bio-Based Materials: Where applicable, provide products designated by USDA and meeting or exceeding USDA recommendations for bio-based content, and products meeting Rapidly Renewable Materials and

certified sustainable wood content definitions; refer to www.biopreferred.gov.

D. Roofing system design standard requirements:
   1. Recommendations of the NRCA "Roofing and Waterproofing Manual" applicable to modified bituminous sheet roofing for storage, handling and application.
   2. Recommendations of FM Approvals 1-49 Loss Prevention Data Sheet for Perimeter Flashings.
   3. Recommendations of ANSI/SPRI ES-1 for roof edge design.
   4. FM Approvals Listing: Provide roofing membrane, base flashing, and component materials that comply with requirements in FM Approvals 4450 and FM Approvals 4470 as part of a roofing system and that are listed in FM Approvals "RoofNav" for Class 1 or noncombustible construction, as applicable. Identify materials with FM Approvals markings.
      a. Fire/Windstorm Classification: Class 1A-90
      b. Hail Resistance: MH.
   5. High Wind Zone Design Requirement: Contractor Option: In lieu of FM Approval Listing windstorm classification, provide roofing membrane, base flashing, and component materials that comply with Miami-Dade County requirements.

E. Pre-Roofing Meeting:
   1. Upon completion of roof deck installation and prior to any roofing application, hold a pre-roofing meeting arranged by the Contractor and attended by the Roofing Inspector, Material Manufacturers Technical Representative, Roofing Applicator, Contractor, and COR.
   2. Discuss specific expectations and responsibilities, construction procedures, specification requirements, application, environmental conditions, job and surface readiness, material storage, and protection.
   3. Inspect roof deck at this time to:
      a. Verify that work of other trades which penetrates roof deck is completed.
      b. Determine adequacy of deck anchorage, presence of foreign material, moisture and unlevel surfaces, or other conditions that would prevent application of roofing system from commencing or cause a roof failure.
      c. Examine samples and installation instructions of manufacturer.

4. Upon completion of the roofing project, the contractor shall submit to the manufacturer a Request for Inspection Form or notice of completion form, certifying that all work has been done in accordance with the contract specification and manufacturer requirements. An inspection shall then be made by a representative of the roofing membrane manufacturer to observe the roofing system and an approval report prepared and submitted.
5. There shall be no deviation made from the contract specification or the approved shop drawings without prior written approval by the contracting officer and membrane manufacturer.
6. If any items are found to be deficient that cannot be corrected at the time of inspection a punch list will be made and given to the contractor for correction. Upon completion of the punch list items, the contractor shall inform the manufacturer and resident engineer in writing.

1.6 SUBMITTALS

A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, SAMPLES.

B. Product Data:
   1. Adhesive materials.
   2. Membrane sheet roofing and flashing membrane.
   3. Roofing cement.
   4. Roof walkway.
   5. Fastening requirements.
   6. Application instructions.
   7. Product Data for Federally-Mandated Bio-Based Materials: For roof materials, indicating USDA designation and compliance with definitions for bio-based products, Rapidly Renewable Materials, and certified sustainable wood content.

C. Samples:
   1. Nails and fasteners, each type.

D. Shop Drawings: Include plans, sections, details, and attachments.
   1. Base flashings and terminations.

E. Certificates:

1. Indicating materials and method of application of roofing system meets requirements of FM Approvals "RoofNav" for specified fire/windstorm classification.
2. Indicating compliance with energy performance requirement.

F. Certification that the system specified meets all identified code and insurance requirements.

G. Certification that the system preparation and installation meets all manufacturer’s recommendations and requirements.

H. Technical acceptance from manufacturer after installation.

I. Inspection Reports, Manufacturer Approval Certificates and Warranties as noted herein.

Additional submittals may be required as noted in this and other sections of these specifications. The contractor is highly encouraged to review these submittal requirements carefully to insure full understanding of document submission obligations.

J. Warranty: As specified.

K. Documentation of supervisors' and inspectors' qualifications.

L. Field reports of roofing inspector.

M. Contract Close-out Submittals:

1. Maintenance Manuals.
2. Warranty signed by installer and manufacturer.

1.7 DELIVERY, STORAGE AND HANDLING

A. Comply with the recommendations of the NRCA “Roofing and Waterproofing Manual” applicable to single ply membrane roofing for storage, handling and installation.

1.8 ENVIRONMENTAL REQUIREMENTS

A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.

B. Environmental Controls: Refer to Section 01 57 19, TEMPORARY ENVIRONMENTAL CONTROLS.

C. Protection of interior spaces: Refer to Section 01 00 00, GENERAL REQUIREMENTS.

1.9 WARRANTY

A. Upon successful completion of the work, the following warranty will be provided:

1. Roof 20 Year Labor and 25 Year Material Warranty (non-prorated)

B. NOTE: Ponding water shall not exclude or limit the warranty of the single-ply membrane roof materials or installation.

PART 2 - PRODUCTS

2.1 PVC/CPA SHEET ROOFING

A. PVC (Co-polymer Alloy) Sheet: ASTM D4434, Type III, polyester reinforced membrane with acrylic top coating reinforced, 2.0 mm (80 mils) thick, with no backing.
   1. Color: White.
   2. Sheet size: 6 feet x 90 feet (540 square feet). Minimum.

B. Additional Properties:
   1. Shore A Hardness, ASTM D2240: 70 to 85 Durometer.
   2. Water Vapor Permeance, ASTM E96: Minimum 0.14 perms (Water Method).
   3. Fungi Resistance, ASTM G21: After 21 days, no sustained growth or discoloration.
   4. Fire Resistance, ASTM E108: Class A; no combustion beyond flame/heat source.

C. Approved Manufacturers:
   1. IB Roof Systems, Eugene OR 97408

2.2 ACCESSORIES: The following related products, materials and equipment shall be supplied and warranted (where appropriate) by the roofing membrane manufacturer:

A. Sheet Flashing: Manufacturer's standard sheet flashing of same material, type, reinforcement, thickness, and color as PVC sheet membrane.

B. Bonding Adhesive: Manufacturer's standard, water based.

C. Metal Termination Bars: Manufacturer's standard, predrilled stainless-steel or aluminum bars, approximately 25 by 3 mm (1 by 1/8 inch) thick; with anchors.

D. Metal Battens: Manufacturer's standard, aluminum-zinc-alloy-coated or zinc-coated steel sheet, approximately 25 mm wide by 1.3 mm (1 inch wide by 0.05 inch) thick, prepunched.

E. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with FM Approvals 4470, designed for fastening membrane to substrate.

F. Miscellaneous Accessories: Provide sealers, preformed flashings, preformed inside and outside corner sheet flashings, T-joint covers, lap sealants, termination reglets, and other accessories acceptable to manufacturer.

G. Membrane Walkway: Weld able Polyester-reinforced CPA membrane for traffic areas (second layer).

H. Automatic Hot-Air Welder: Leister 220-volt automatic hot air welder, Leister 110-volt hand held welder and associated tools to facilitate a vulcanized weld of all seams on CPA membrane or as recommended by manufacturer.

I. Prefabricated Details: Inside/outside corners, sign supports, cones for any size pipe or wire, angle braces and HVAC ducting.

J. Double-Sided Clad Metal: Standard prefabricated and custom edge metal, for use for edge details. (Some customized edge metal may need special fastening & warranty considerations, check with manufacturer)

K. Deck Fasteners: Self-tapping, corrosion-resistant fasteners, for use in steel and wood decks, and corrosion-resistant nail-in type fasteners for structural concrete decks (pre-drilling is required), and auger type fasteners for gypsum and tectum decks. Corrosion-resistant plates for membrane and insulation securement. All fasteners shall be as recommended by the membrane manufacturer.

L. Flashing Membrane Adhesive: The adhesive for bonding flashing membrane to vertical flashings shall be compatible with all adjoining materials and shall be as recommended by membrane manufacturer. Substrate must be compatible, clean, dry, and solvent resistant.

2.3 ADHESIVE AND SEALANT MATERIALS:

A. General: Adhesive and sealant materials recommended by roofing system manufacturer for intended use, identical to materials utilized in approved listed roofing system, and compatible with roofing membrane.

1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.
2. Adhesives and sealants that are not on the exterior side of weather barrier shall comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
   a. Plastic Foam Adhesives: 50 g/L.
   b. Gypsum Board and Panel Adhesives: 50 g/L.
   c. Multipurpose Construction Adhesives: 70 g/L.
   d. Fiberglass Adhesives: 80 g/L.
   e. Single-Ply Roof Membrane Adhesives: 250 g/L.
   f. Other Adhesives: 250 g/L.
   g. PVC Welding Compounds: 510 g/L.
   h. Adhesive Primer for Plastic: 650 g/L
   i. Single-Ply Roof Membrane Sealants: 450 g/L.
   j. Nonmembrane Roof Sealants: 300 g/L.
   k. Sealant Primers for Nonporous Substrates: 250 g/L.
   l. Sealant Primers for Porous Substrates: 775 g/L.

2.3 RELATED MATERIALS:

A. Wood nailers

1. Wood nailers shall be treated for fire and rot resistance (wolmanized or osmose treated), #2 or better lumber. Creosote or asphaltic-treated lumber is not acceptable.

2. Wood nailers shall conform to Factory Mutual's Loss Prevention Data Sheet 1-49.

3. All wood shall have maximum moisture content of 19% by weight on a dry weight basis.

B. Polyisocyanurate Insulation

1. Polyisocyanurate, R-30. Rigid, closed-cell type, bonded to glass fiber / organic mat facers on both sides.

C. Sealants and pitch pocket fillers

1. The following caulking/sealants are acceptable to use with the CPA Single-Ply Membrane:

a. Manufacturer polyurethane caulking.

b. One part Polyurethane by Vulkum, Quaker or Sonnerborne.

D. Miscellaneous Fasteners and Anchors

1. All fasteners shall be the same types as the metal being secured. In general, all fasteners, anchors, nails, and straps shall be of zinc or cadmium plated steel, galvanized, or stainless steel. All fasteners and anchors shall have a minimum embedment of 1" and shall be approved for such use by the fastener manufacturer. Fasteners for attachment of metal to wood blocking shall be galvanized nails with 1" minimum penetration. Fasteners for attachment of metal to masonry shall be expansion type fasteners. All fasteners shall meet Factory Mutual Standard 4470 for corrosion resistance.

PART 3 - EXECUTION

3.1 EXAMINATION:

A. Examine substrates and conditions with roofing Installer and roofing inspector to verify compliance with project requirements and suitability to accept subsequent roofing work. Correct unsatisfactory conditions before proceeding with roofing work.

B. Do not apply roofing if roof surface will be used for subsequent work platform, storage of materials, or staging or scaffolding will be erected thereon unless system is protected.

3.2 PREPARATION

A. Complete roof deck construction prior to commencing roofing work:

1. Install curbs, blocking, edge strips, nailers, cants, and other components where insulation, roofing, and base flashing is attached to, in place ready to receive insulation and roofing.
2. Complete deck and insulation to provide designed drainage to working roof drains.
3. Document installation of related materials to be concealed prior to installing roofing work.

B. Dry out surfaces, including the flutes of metal deck that become wet from any cause during progress of the work before roofing work is resumed. Apply materials to dry substrates.

C. Sweep decks to broom clean condition. Remove all dust, dirt or debris.

D. Remove projections that might damage materials.

E. Existing Membrane Roofs and Repair Areas:

1. Comply with all manufacturer’s requirements for the existing roof.
2. At areas to be altered or repaired, remove loose, damaged, or cut sheet that is not firmly adhered only where new penetrations occur or repairs are required.
3. Cut and remove existing roof membrane for new work to be installed. Clean cut edges and install a temporary seal to cut surfaces. Use roof cement and one layer of 7 Kg (15 pound) felt strip cut to extend 150 mm (6 inches) on each side of cut surface. Bed strip in roof cement and cover strip with roof cement to completely embed the felt.
4. At modified bituminous base flashing to be repaired, either bend up cap flashing or temporarily remove cap flashing. Brush and scrape away all deteriorated sheets or surface material of base flashing.

F. All roof surfaces shall be free from water, ice or snow.

G. Install continuous treated wood nailers at the perimeter of drip edge roofs.

H. Nailers shall be anchored to resist a minimum force of 175 pounds per lineal foot in any direction. Fastener spacing shall be a maximum of 3' o.c. Fasteners shall be installed within 6" of each end. Spacing and fastener embedment shall conform to Factory Mutual Loss Prevention Data Sheet 1-49.

I. Thickness shall be as required to match substrate or insulation height.

3.3 TEMPORARY PROTECTION

A. Install temporary protection at the end of day's work and when work is halted for an indefinite period or work is stopped when precipitation is imminent. Comply with approved temporary protection plan.

B. Install temporary cap flashing over the top of base flashings where permanent flashings are not in place to provide protection against moisture entering the roof system through or behind the base flashing. Securely anchor in place to prevent blow off and damage by construction activities.

C. Provide for removal of water or drainage of water away from the work.

D. Provide temporary protection over installed roofing by means of duckboard walkways, plywood platforms, or other materials, as approved by COR, for roof areas that are to remain intact, and that are subject to foot traffic and damage. Provide notches in sleepers to permit free drainage.

3.4 INSTALLATION, GENERAL

A. FM Approvals Installation Standard: Install roofing membrane, base flashings, wood cants, blocking, curbs, and nailers, and component materials in compliance with requirements in FM 4450 and FM 4470 as part of a membrane roofing system as listed in FM Approval's "RoofNav" for fire/windstorm classification indicated. Comply with recommendations in FM Approvals' Loss Prevention Data Sheet 1-49, including requirements for wood nailers and cants.

B. NRCA Installation Standard: Install roofing system in accordance with applicable NRCA Manual Plates and NRCA recommendations.

C. Manufacturer Recommendations: Comply with roofing system manufacturer's written installation recommendations.

D. Coordination with related work: Coordinate roof operations with roof insulation and sheet metal work so that insulation and flashings are installed concurrently to permit continuous roofing operations.

E. Installation Conditions:

1. Apply dry roofing materials. Apply roofing work over dry substrates and materials.
2. Apply materials within temperature range and surface and ambient conditions recommended by manufacturer.
3. Except for temporary protection, do not apply materials during damp or rainy weather, during excessive wind conditions, nor while moisture (dew, snow, ice, fog or frost) is present in any amount in or on the materials to be covered or installed:
   a. Do not apply materials when the temperature is below 4 deg. C (40 deg. F).
   b. Do not apply materials to substrate having temperature of 4 deg. C (40 deg. F) or less.

3.5 INSULATION INSTALLATION

A. Insulation Adhesive

1. Adhesive shall be as recommended by the roofing membrane manufacturer and compatible with all materials to be joined.

2. Method of Application: Adhesive shall be applied at temperatures of 40 deg F or above. If adhesive is accidentally stored below 40 deg F, store the adhesive at room temperature (72 deg F) for at least three days before using. Protect all adhesives and sealants from freezing.

3. Materials to be bonded shall be clean, dry, and free of contaminates.

4. Apply adhesive directly from the containers to the roof deck at the specified coverage rate. Walk the insulation boards to insure contact of all bonded areas.

5. Handling: Adhesive-insulation / deck bonding adhesive contains ingredients which could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn.

6. Manufacturers maintain Material Safety Data Sheets on all of their products. Material Safety Data Sheets contain health and safety information for contractor’s development of appropriate product handling procedures to protect employees and customers.

7. All Material Safety Data Sheets shall be read and understood by all supervisory personnel and employees before using. This requirement shall be the responsibility of the contractor. All products and their MSDS, used on the project will have a library of products used on the job and must be present on the jobsite.

8. Recommended Storage: Indoors, out of direct sunlight and in the original, unopened container between 60 deg F and 80 deg F. Check shelf life to insure product effectiveness.

B. Install Polyisocyanurate Insulation in one layers, bonded to glass fiber / organic mat facers on both sides. With staggered joints. The first layer of Insulation shall be Polyisocyanurate closed-cell type Insulation. The bottom insulation layer (adjacent to the roof deck) shall be mechanically or fully adhered fastened to the deck; the top insulation layer (between the bottom layer and the CPA membrane) shall be fully adhered to the bottom insulation layer.

INSTALLATION OF PVC ROOFING

A. Do not allow the membrane to come in contact with surfaces contaminated with asphalt, coal tar, oil, grease, or other substances which are not compatible with PVC.

B. Install the membrane so the sheets run perpendicular to the long dimension of the insulation boards.

C. Commence installation at the low point of the roof and work towards the high point. Lap the sheets so the flow of water is not against the edges of the sheet.

D. Position the membrane so it is free of buckles and wrinkles.

E. Roll sheet out on deck; inspect for defects as being rolled out and remove defective areas. Allow for relaxing before proceeding.
   1. Lap edges and ends of sheets 50 mm (two inches) or more as recommended by the manufacturer.
   2. Heat weld or solvent weld laps. Apply pressure as required. Seam strength of laps as required by ASTM D4434.
   3. Check seams to ensure continuous adhesion and correct defects.
   4. Finish edges of laps with a continuous beveled bead of sealant to sheet edges to provide smooth transition.
   5. Finish seams as the membrane is being installed (same day).
   6. Anchor perimeter to deck or wall as specified.

F. Repair areas of welded seams where samples have been taken or marginal welds, bond voids, or skips occurs.

G. Repair fishmouths and wrinkles by cutting to lay flat and installing patch over cut area extending 100 mm (four-inches) beyond cut.

H. Membrane Perimeter Anchorage:
   1. Install metal fastening strip at the perimeter of each roof level, curb flashing, expansion joints and similar penetrations as indicated and in accordance with membrane manufacturer's instructions on top of roof membrane to deck or wall.
   2. Mechanically Fastened Metal Fastening Strip:
      a. Set top of mechanical fastener set flush with top surface of the metal fastening strip. Space mechanical fasteners a maximum 300 mm (12 inches) on center starting 25 mm (one inch) from the end of the nailing strip.
      b. When strips are cut round corners and eliminate sharp corners.

c. After mechanically fastening strip cover and seal strip with a six-inch wide roof membrane strip; heat or solvent weld to roof membrane and seal edges.

d. At roof edge metal, turn the membrane down over the front edge of the blocking or the nailer to below blocking. Secure the membrane to the vertical portion of the nailer; or, if required by the membrane manufacturer with fasteners spaced not over 300 mm (12 inches) on centers.

e. At parapet walls, intersecting building walls and curbs, secure the membrane to the structural deck with fasteners 300 mm (12 inches) on centers or as shown on NRCA manual.

I. Adhered System:

1. Apply adhesive in quantities required by roof membrane manufacturer.
2. Fold sheet back on itself after rolling out and coat the bottom side of the membrane and the top of the deck with adhesive. Do not coat the lap joint area.
3. After adhesive has set according to adhesive manufacturer’s application instruction, roll the membrane into the adhesive in a manner that minimizes voids and wrinkles.
4. Repeat for other half of sheet. Cut voids and wrinkles to lay flat and clean for repair patch over cut area.

J. General

1. The surface of the insulation or substrate shall be inspected prior to installation of the CPA Single-Ply Membrane. The substrate shall be clean, dry, and smooth with no excessive surface roughness, contaminated surfaces, or unsound surfaces such as broken or delaminated insulation boards.

2. CPA Single-Ply Membrane is to be attached (where required) with termination bars, fasteners and plates according to manufacturer recommendations, specifications and details.

3. The membrane shall be installed up the parapet walls and under the coping wall caps (over the top of the wall).

4. Membrane overlaps shall be shingled with the flow of water where possible.

K. Perimeter Attachment to Deck

1. The membrane shall be attached to the deck using Term Bar in the inseam of the first 3 feet wide sheet at approximately 2.5 feet from perimeter edge if recommended by manufacturer, to prevent wind uplift at the parapet wall area.

L. Interior-field Sheets

1. CPA Single-Ply Membrane shall be unrolled and positioned, without stretching, as close to and parallel with roof edges as possible. Adjoining rolls of roofing membrane shall be unrolled and perpendicular to thermal insulation, lapping the previous membrane edges a minimum of 2 inches to 4 inches, depending on welding equipment used, to obtain a minimum 2 inch wide seam weld. Do not stretch membrane. A continuous 2 inch inseam hot air lap weld is required. Excess heat shall be kept away from the insulation or separation layer. All seams shall be tested with a probe for integrity.

M. Installation of membrane shall be sloped to drains, NO ponding, standing or puddles of water. All water shall run into roof drains.

N. Obstacles

1. Membrane shall be installed over, through and around existing obstacles such as roof expansion joints, roof hatches, pipe penetrations, roof curbs, penthouses, door thresholds, roof drains, HVAC equipment, ducting and ducting bracing, etc. as recommended by the manufacturer. Taper insulation and membrane to drains as required to form a water-tight fit and as recommended by manufacturer.

O. Double-Sided CPA Clad Metal Edge (24 GA. White Only) (If Needed)

Note: All clad metal shall be double-sided CPA clad metal.

All flashings shall be installed concurrently with the roof membrane as the job progresses.

1. CPA clad metal flashings shall be formed and installed as required.

2. The fastening flange of the CPA clad metal shall be a minimum of 2-½ inches in width.

Note: Hold back nails 1inch from the outside edge of the CPA clad metal so the membrane and / or flashing can be welded to the clad metal completely covering all nails by 1inch minimum.

3. Metal shall be installed to provide adequate resistance to bending and allow for normal thermal expansion contraction.

4. CPA clad metal shall be spaced 1/4-1/2 inches apart. A 4inch wide strip of flashing membrane shall be hot-air welded over the center of the joint.

5. A 24-gauge (minimum) continuous hook strip is required if CPA clad metal fascia exceeds 5inches in width. The hook strip is to be fastened 12 inches o.c. into the wood nailer or the masonry wall.

6. Install CPA clad metal and hook strip in accordance with Factory Mutual's Loss Prevention Data Sheet 1-49.

3.6 INSTALLATION OF FLASHING

A. All flashings shall be installed concurrently with the roof membrane as the job progresses. No temporary flashings shall be allowed without the prior written approval of the resident engineer and approval shall only be for specific locations on specific dates. If any water is allowed to enter under the new roofing due to incomplete flashings, the affected area shall be removed and replaced at the contractor expense. Flashings shall be adhered to compatible, dry, smooth, and solvent-resistant surfaces.

B. Flashing at the roof perimeter and at all penetrations including drains, pipes, conduits, curbs, walls, and expansion joints, etc. shall be sealed as specified by membrane manufacturer.

C. Contact Adhesive for Flashing

1. Over the properly installed and prepared substrate surface, adhesive shall be applied using approved solvent resistant paint rollers. The adhesive shall be applied at a rate of approximately 3/4 to 2 gallons per 100 square feet of surface depending upon substrate. The adhesive shall be applied in smooth, even coatings with no holidays, globs, puddles, or similar irregularities. Only an area that

can be covered completely in the same day's operations shall be coated with adhesive. The surface with adhesive coating shall be allowed to dry completely prior to installing the membrane.

Notes:

a. Drying time increases with cooler temperatures and high humidity conditions. The contractor shall check with the manufacturer’s technical representative prior to roof operations on such days.

b. The contractor shall count the amount of adhesive used per square, and shall count the number of buckets of adhesive used per area per day to verify that he is conforming to the specified adhesive rate. Report quantities used to the Res. Eng.

2. When the surface is dry, the flashing membrane shall be cut to a workable length and the underside shall be coated evenly with adhesive at a rate of 1/2 gallon per 100 square feet. NO BONDING ADHESIVE SHALL BE APPLIED IN LAP AREAS. While the adhesive is active (produces strings when touched with a dry finger), the coated membrane shall be rolled carefully onto the previously coated substrate to avoid wrinkle. Do not allow adhesive on the underside of the membrane to dry completely. The amount of membrane that can be coated with adhesive before applying to substrate will be determined by ambient temperature, humidity, and manpower. Adjacent sheets shall be overlapped a minimum of 4 inches. Flashings shall extend 5 inches onto the roofing membrane. The bonded sheet shall be pressed firmly into place with a hand roller.

3. No bonding adhesive shall be applied in lap areas that are to be welded to flashings or adjacent sheets. All sheets shall be applied in the same manner, lapping all sheets as required by welding techniques.

D. All flashings shall extend a minimum of eight (8) inches above roofing level unless previously accepted by the resident engineer and membrane manufacturer.

E. All flashing membranes shall be fully adhered to solvent-resistant substrates. All interior and exterior corners and miters shall be cut and hot air welded into place.

F. All flashings shall be hot air welded at their joints and at their connections with the roof membrane.

G. Flashings shall be terminated according to recommended manufacturer’s details.

H. Flashing Roof Drains:
   1. Install roof drain flashing as recommended by the membrane manufacturer, generally as follows:
      a. Coordinate to set the metal drain flashing in asphalt roof cement, holding cement back from the edge of the metal flange.
      b. Do not allow the roof cement to come in contact with the PVC roof membrane.
      c. Adhere the PVC roof membrane to the metal flashing with the membrane manufacturer's recommended adhesive.
   2. Turn down the metal drain flashing and PVC roof membrane into the drain body and install clamping ring and strainer.

I. Installing PVC Base Flashing and Pipe Flashing:
   1. Install PVC flashing membranes to pipes, wall or curbs to a height not less than eight-inches above roof surfaces and 100 mm (four inches) on roof membrane. Install PVC flashing membrane at parapet walls full height and under the new parapet wall caps (over top of wall).
      a. Adhere flashing to pipe, wall or curb with adhesive.
      b. Form inside and outside corners of PVC flashing membrane in accordance with NRCA manual. Form pipe flashing in accordance with NRCA manual use pipe boot.
      c. Lap ends not less than 100 mm (four inches).
      d. Heat weld or solvent weld flashing membranes together and flashing membranes to roof membranes. Finish exposed edges with sealant as specified.
      e. Install flashing membranes in accordance with NRCA manual.
   2. Anchor top of flashing to walls or curbs with fasteners spaced not over 200 mm (eight inches) on centers. Use fastening strip on ducts. Use pipe clamps on pipes or other round penetrations.
   3. Apply sealant to top edge of flashing.

J. Installing Building Expansion Joints:
   1. Install base flashing on curbs as specified.
   2. Coordinate installation with metal expansion joint cover or roof expansion joint system.
   3. Install flexible tubing 1-1/2 times width of joint over joint. Cover tubing with PVC flashing strip adhered to base flashing and lapping

base flashing 100 mm (four inches). Finish edges of laps with sealants as specified.

K. Repairs to membrane and flashings:

1. Remove sections of PVC sheet roofing or flashing that is creased wrinkled or fishmouthed.
2. Cover removed areas, cuts and damaged areas with a patch extending 100 mm (four inches) beyond damaged, cut, or removed area. Heat weld or solvent weld to roof membrane or flashing. Finish edge of lap with sealant as specified.

3.7 HOT-AIR WELDING OF SEAMS AND OVERLAPS

A. General

1. Adjacent sheets shall be welded in accordance with the manufacturer’s written instructions. All side and end laps shall be hot-air welded.

Note: Overlap is to be 5" when the plates are installed in the overlap.

2. Welding equipment shall be provided by or approved by the membrane manufacturer.

3. All surfaces to be welded shall be clean according manufacturer recommendations. No adhesive or other contaminants shall be present within the lap areas.

B. Hand Welding

Automatic welders shall be used as much as possible. Hand welding shall be kept to detail work and smaller seams.

C. Machine Welding

Automatic welding equipment shall be used to insure that proper field seams are made. When using this equipment, the manufacturer's instructions shall be followed and local codes for electric supply, grounding, and over current protection observed. The use of a portable generator may be required at contractor’s expense.

D. Quality Control of Welded Seams

The contractor shall check all welded seams, after cooling, for continuity by use of a seam probe. The contractor shall make on-site evaluation of welded seams daily. A final probing of all seams & details shall be made at the conclusion of the project.

3.8 WALKWAY INSTALLATION

A. General Criteria

Walkways shall be provided and installed for regular maintenance of rooftop equipment, roof drains and for roof areas subject to inspection-related foot traffic.

1. Walk Tread Installation

a. Roofing membrane to receive Walk Tread shall be clean and dry.

b. Apply chalk lines on deck sheet to indicate location of Walk Tread prior to installation.

c. Apply a continuous coat of adhesive to the deck sheet at a rate of 3/4 gallon per 10 square feet. Keep adhesive back 3 inches from location chalk lines for hot-air welding. Allow adhesive to dry completely.

d. Walk Tread shall be unrolled and positioned within chalk lines, then folded back on itself exposing the underside for one-half of its length.

e. A continuous coat of adhesive shall be applied to the feet. Keep adhesive back 3 inches from the edge of the sheet for hot air welding. This adhesive shall be allowed to dry sufficiently to produce strings when touched with a dry finger. Do not allow adhesive to dry completely. The amount of membrane that can be coated with adhesive before rolling into substrate will be determined by ambient temperature, humidity and manpower.

f. The coated Walk Tread shall be unrolled into the previously coated deck sheet, using care to avoid wrinkles.

g. The bonded Walk Tread shall be pressed firmly into place with a weighted foam covered lawn roller.

h. The remaining un-bonded half of the sheet shall be folded back and the bonding procedure repeated.

i. Hot-air weld the perimeter of the Walk Tread to the CPA Single-Ply. Check all welds with a rounded screwdriver. Re-weld any inconsistencies.

3.9 MISCELLANEOUS METAL FLASHINGS

Note: All wall-top coping and other flashing (i.e., sidewall) shall be carefully removed, stored and reinstalled wherever possible. Where coping or flashing is missing or damaged beyond re-use, new coping or flashing shall be provided and installed by contractor to match remaining adjoining as much as practicable or shall be .032 Aluminum or equal or as recommended by membrane manufacturer. New coping and flashing shall be installed per manufacturer’s recommendation. Both existing (re-used) and new flashing shall use neoprene gasketed screws for installation, located and spaced in accordance with manufacturer’s recommendations.

A. Complete all metal work in conjunction with roofing and flashings so that a watertight condition exists daily.

B. Metal shall be installed to provide adequate resistance to bending and allow for normal thermal expansion and contraction.

C. Metal joints shall be watertight.

D. Metal flashings Cap shall have a 3 inch minimum nailing flange on one side and a 6inch on the other and a drip edge 1 inch on both sides minimum. . The drip edge has to be double thickness. (bent over ½ inch)

E. Continuous metal hook strips are required if metal fascia exceeds 5 inches in width. Each hook strip is to be fastened 12 inches o.c. into wood nailer or masonry wall.

F. Edge metal is to be installed in accordance with Factory Mutual's Loss prevention Data Sheet 1-49.

4.0 TEMPORARY CUTOFF

A. All flashings shall be installed concurrently with the roof membrane in order to maintain a watertight condition as the work progresses. When a break in the day's work occurs in the central area of a roof, a temporary water stop shall be constructed to provide a 100% watertight seal. When work on the new system is suspended, the stagger of the insulation joints shall be maintained by installing partial fillers. The new membrane shall be carried into the water stop. The water stop shall be sealed to the deck and / or substrate so that water will not be allowed to travel under the new or existing roofing. The edge of the membrane shall be sealed in a continuous heavy application of roof cement of 6 inches in width. When work resumes, any contaminated membrane shall be cut out. All sealant, contaminated membrane, insulation fillers, etc. shall be removed from the work area and disposed of off site. None of these materials shall be used in the new work.

B. If inclement weather occurs while a temporary water stop is in place, the contractor shall provide the labor necessary to monitor the situation to maintain a watertight condition.

C. If any water is allowed to enter under the newly completed roofing, the affected area shall be removed and replaced at the contractor expense.

D. Standing steams only

4.1 COMPLETION

A. Prior to leaving the site, the resident engineer and the contractor shall review the work. All defects noted and non-compliances with the specifications shall be itemized in a punch list. The contractor must correct these items to the satisfaction of the resident engineer.

4.2 FIELD QUALITY CONTROL:

A. Roofing Inspector: Owner will engage a qualified roofing inspector to perform roof tests and inspections and to prepare test reports.

B. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion.

1. Notify Architect and Owner 48 hours in advance of date and time of inspection.

C. Repair or remove and replace components of roofing work where test results or inspections indicate that they do not comply with specified requirements.

1. Additional testing and inspecting, at Contractor's expense, will be performed to determine if replaced or additional work complies with specified requirements.

4.3 PROTECTING AND CLEANING

A. Protect membrane roofing system from damage and wear during remainder of construction period.

B. Correct deficiencies in or remove membrane roofing system that does not comply with requirements; repair substrates; and repair or reinstall membrane roofing system to a condition free of damage and deterioration at time of acceptance by Owner.

C. Clean overspray and spillage from adjacent construction. Clean membrane and restore surface to like-new condition meeting solar reflectance requirements.

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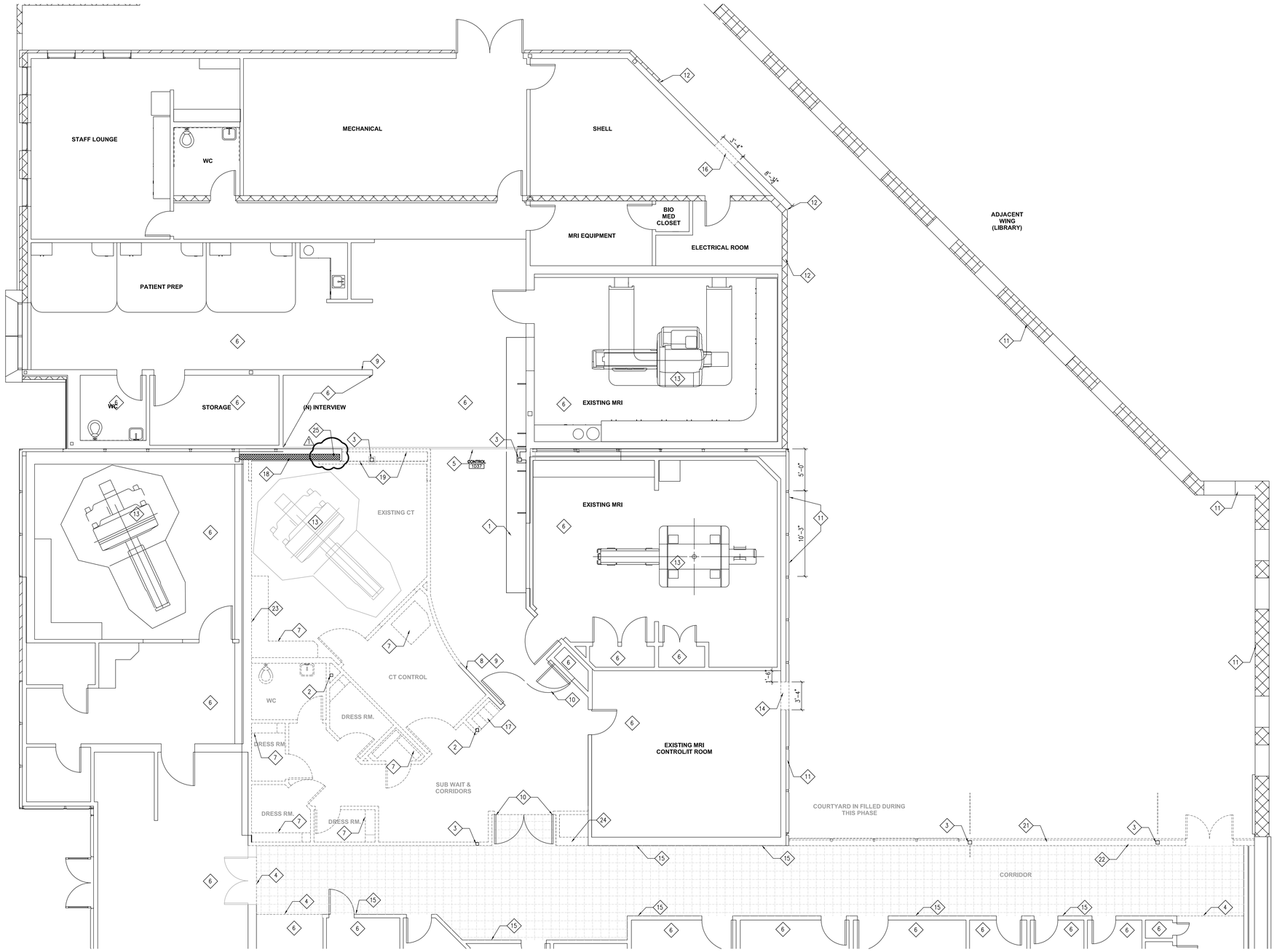

DEMOLITION FLOOR PLAN

SCALE: 3/16" = 1'-0"

DEMOLITION GENERAL NOTES

1. SEE MECHANICAL DRAWINGS FOR MECHANICAL INFORMATION.
2. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL INFORMATION.
3. SEE PLUMBING DRAWINGS FOR PLUMBING INFORMATION.
4. WHERE CORNER GUARDS AND CRASHRAILS WERE REMOVED PATCH, REPAIR AND PAINT GYPSUM BOARD WALL AS NECESSARY.
5. CONTRACTOR TO VERIFY ALL EXISTING CONSTRUCTION AND DIMENSIONS – IF CONDITIONS VARY FROM DRAWINGS NOTIFY THE ARCHITECT.
7. CONTRACTOR SHALL REPAIR TO LIKE NEW CONDITION ANY EXISTING FINISH DAMAGED DURING DEMOLITION OR CONSTRUCTION.
8. ALL ITEMS SALVAGED FOR REUSE ARE TO BE PROTECTED AND REINSTALLED WITHOUT DAMAGE.
9. PATCH AND REPAIR ALL (E) WALLS THAT ARE TO REMAIN WHERE HOLES OCCUR FROM REMOVED ACCESSORIES.
10. PATCH AND REPAIR (E) SURROUNDING WALLS WHERE NEW WALLS ARE BEING ATTACHED AND WHERE NEW DOORS ARE BEING ADDED. MATCH (E) SURROUNDING WALL FINISH AND PAINT WALL TO MATCH (E) COLOR AND SHEEN.
11. ALL (E) WALLS TO BE PATCHED/REPAIRED FROM THE REMOVAL OF (E) WALLS, PROVIDE THE APPROPRIATE FIRE/SMOKE RATING AS DESIGNATED ON PLAN
12. SALVAGE ALL DOORS, HARDWARE, THRESHOLDS, ETC. TO OWNER FOR RE-USE IN THE REMODEL AREA.-UNLESS OTHERWISE NOTED
13. REMOVE ALL FERROUS MATERIALS AND TOOLS FROM WORK AREA DAILY. THERE ARE TO BE NO FERROUS TOOLS OR MATERIALS IN THE WORK AREA WHEN THE MRI IS IN USE.

XX DEMOLITION KEYED NOTES

1. (E) CONTROL CASEWORK –PROTECT IN PLACE
2. EXPOSE PLENUM CATWALK SUPPORTING COLUMN. PREP FOR MOVING. –SEE STRUCTURAL AND ARCHITECTURAL FOR (N) PLACEMENT.
3. (E) COLUMN. –PROTECT IN PLACE
4. REMOVE (E) VCT IN CORRIDOR TO DASHED LINE.
5. REMOVE ALL (E) VCT FLOORING IN REMODEL AREA TO EXPANSION JOINT
6. PROTECT IN PLACE ALL (E) MATERIALS WITHIN THESE ROOMS.
7. (E) CASEWORK OR METAL SHELVING –SALVAGE TO OWNER
8. (E) PUSH PADDLE –PROTECT IN PLACE
9. (E) CONTROL VALVE BOX AND/OR MED GAS MONITORING DEVICE. –PROTECT IN PLACE
10. RELOCATE (E) DOOR, FRAME AND HARDWARE TO LOCATION ON NEW FLOOR PLAN.
11. PROTECT IN PLACE ALL (E) EXTERIOR FINISHES UNLESS NOTED OTHERWISE.
12. REMOVE AND STORE FOR RE-USE (E) METAL PANELING AND PREP FOR STRUCTURAL ATTACHMENT WHERE NECESSARY-SEE STRUCTURAL FOR SCOPE OF ATTACHMENT
13. EQUIPMENT SHOWN FOR REFERENCE ONLY
14. SAW-CUT DOOR OPENING IN (E) WALL. –REMOVE (E) CURTAIN WALL SYSTEM, AND BRICK VENEER. ADDITIONALLY, MODIFY (E) 6" & 2" METAL STUD FRAMING –SEE STRUCTURAL FOR BRICK VENEER HEADER DETAIL.
15. REMOVE (E) WALL COVERING. –PATCH AND REPAIR ANY DAMAGE TO WALL. PREP FOR (N) WALL TREATMENT. SEE FLOOR PLAN.
16. SAW-CUT DOOR OPENING IN (E) WALL. –REMOVE EIFS, AND 6" METAL STUD FRAMING TO HEADER HEIGHT OF (N) DOOR.
17. (E) LOCKERS/GUN LOCKER ASSEMBLY. –SALVAGE FOR RE-USE
18. (E) SHEAR WALL PROTECT IN PLACE
19. WALLS TO BE REMOVED BACK TO (E) SHEAR WALL. (N) FRAMING TO ACCOMMODATE DOOR BETWEEN (E) COLUMN AND (E) SHEAR WALL. SEE OFFSET DIMENSION ON FLOOR PLAN TO UNDERSTAND THE (N) DOORS RELATIONSHIP TO THE COLUMN AND SHEAR WALL.
20. REMOVE (E) BRICK AND CURTAIN WALL SYSTEM TO 12'-2" IN HEIGHT AND WITHIN BOUNDS OF DIMENSIONED AREA
21. REMOVE (E) WALL COMPLETE. –PROTECT PARAPET AND PARAPET FRAMING AFTER REMOVAL OF BRICK –ADD (N) PARAPET FLASHING
22. SALVAGE FOR RE-USE (E) FIRE EXTINGUISHER CABINET, FIRE EXTINGHISHER AND FIRE EXTINGUISHER SIGN.
23. REMOVE WALL AS NECESSARY TO ACHIEVE UNIFORM AND ALIGNED WALL CONSTRUCTION
24. CAP (E) PLUMBING TO BELOW FINISH SLAB. FOR RELOCATION OF (E) DOOR.
25. REMOVE (E) 16" WIDE X 96" PORTION OF THE EXISTING CMU SHEAR WALL AT THE EAST WALL OF THE EXISTING CT ROOM.

LEGEND

WALL TO BE REMOVED
EXISTING WALL TO REMAIN
DOOR TO BE REMOVED
EXISTING DOOR TO REMAIN

FINAL CONSTRUCTION DOCUMENTS

ISSUED FOR CONSTRUCTION	2012-07-01
1 ADDENDUM #1	6/7/13
Revisions:	Date

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Drawing Title: DEMOLITION FLOOR PLAN
Project Title: CT SITE PREP
Project Number: 660-CSI-104
Building Number: B.01
Drawing Number: AD101
Dwg. 15 of 59
Approved: Project Director
Location: VAMC - SALT LAKE CITY, UT
Date: OCTOBER 30, 2012
Checked:
Drawn:

Office of Construction and Facilities Management
Department of Veterans Affairs

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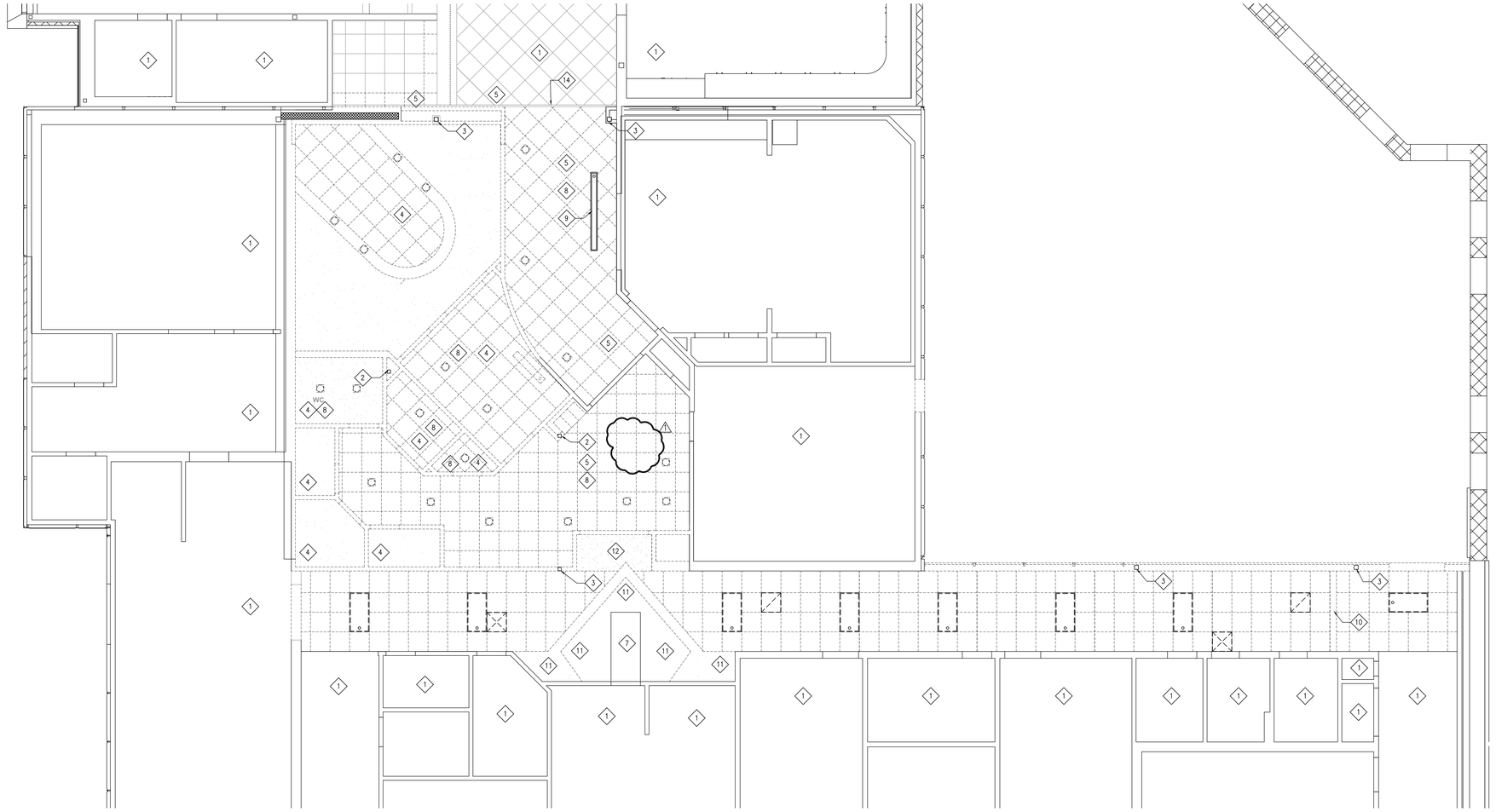

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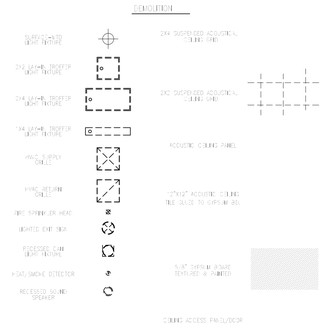

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13. REMOVE ALL FERROUS MATERIALS AND TOOLS FROM WORK AREA DAILY. THERE ARE TO BE NO FERROUS TOOLS OR MATERIALS IN THE WORK AREA WHEN THE MRI IS IN USE.

XX DEMOLITION KEYED NOTES

1. (E) CEILING TO REMAIN –PROTECT IN PLACE
2. EXPOSE (E) PLENUM CATWALK SUPPORTING COLUMN. REMOVE (E) COLUMNS AFTER (N) COLUMNS HAVE BEEN PLACED. –SEE STRUCTURAL AND ARCHITECTURAL FOR (N) PLACEMENT.
3. (E) COLUMN –PROTECT IN PLACE
4. REMOVE CEILING SYSTEM IN ROOM COMPLETE.
5. REMOVE CEILING SYSTEM PARTIAL. SAVE ALL ACT FOR RE-USE IN THIS PHASE. SEE (N) RCP FOR SCOPE OF RE-USE
6. NOT USED
7. (E) SKYLIGHT –PROTECT IN PLACE
8. SALVAGE RECESSED CAN LIGHTS FOR RE-USE IN THIS PROJECT. ANY UNUSED LIGHTS SHALL BE SALVAGED TO OWNER.
9. REMOVE FOR RE-USE ONE OF THREE 8' LONG SURFACE MOUNTED LIGHTS OVER CONTROL AREA, CENTER REMAINING TWO WITHIN CONTROL AREA WORK SPACE. –SEE ELECTRICAL AND ARCHITECTURAL RCP
10. REMOVE (E) GYP. BD. HEADER COMPLETE –PATCH & REPAIR ADJACENT WALL
11. REMOVE (E) GYPSUM BOARD SKYLIGHT SOFFIT AND SOFFIT FRAMING.
12. REMOVE CEILING SYSTEM COMPLETE IN ENTRY WAY
13. REMOVE CEILING SYSTEM AS NECESSARY TO ACCOMMODATE (N) DOOR AND WALL AT CONTROL CORRIDOR AND INTERVIEW ROOM ENTRANCE.
14. (E) CEILING EXPANSION JOINT TO REMAIN – PROTECT IN PLACE

DEMOLITION RCP

SCALE: 3/16" = 1'-0"

LEGEND

WALL TO BE REMOVED | EXISTING WALL TO REMAIN

FINAL CONSTRUCTION DOCUMENTS

ISSUED FOR CONSTRUCTION	2012-07-01
⚠ ADDENDUM #1	6/7/13
Revisions:	Date

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Drawing Title	DEMOLITION REFLECTED CEILING PLAN
Approved: Project Director	
Project Title	CT SITE PREP
Location	VAMC - SALT LAKE CITY, UT
Date	OCTOBER 30, 2012
Checked	
Drawn	
Project Number	660-CSI-104
Building Number	B.01
Drawing Number	AD401
	Dwg. 16 of 59

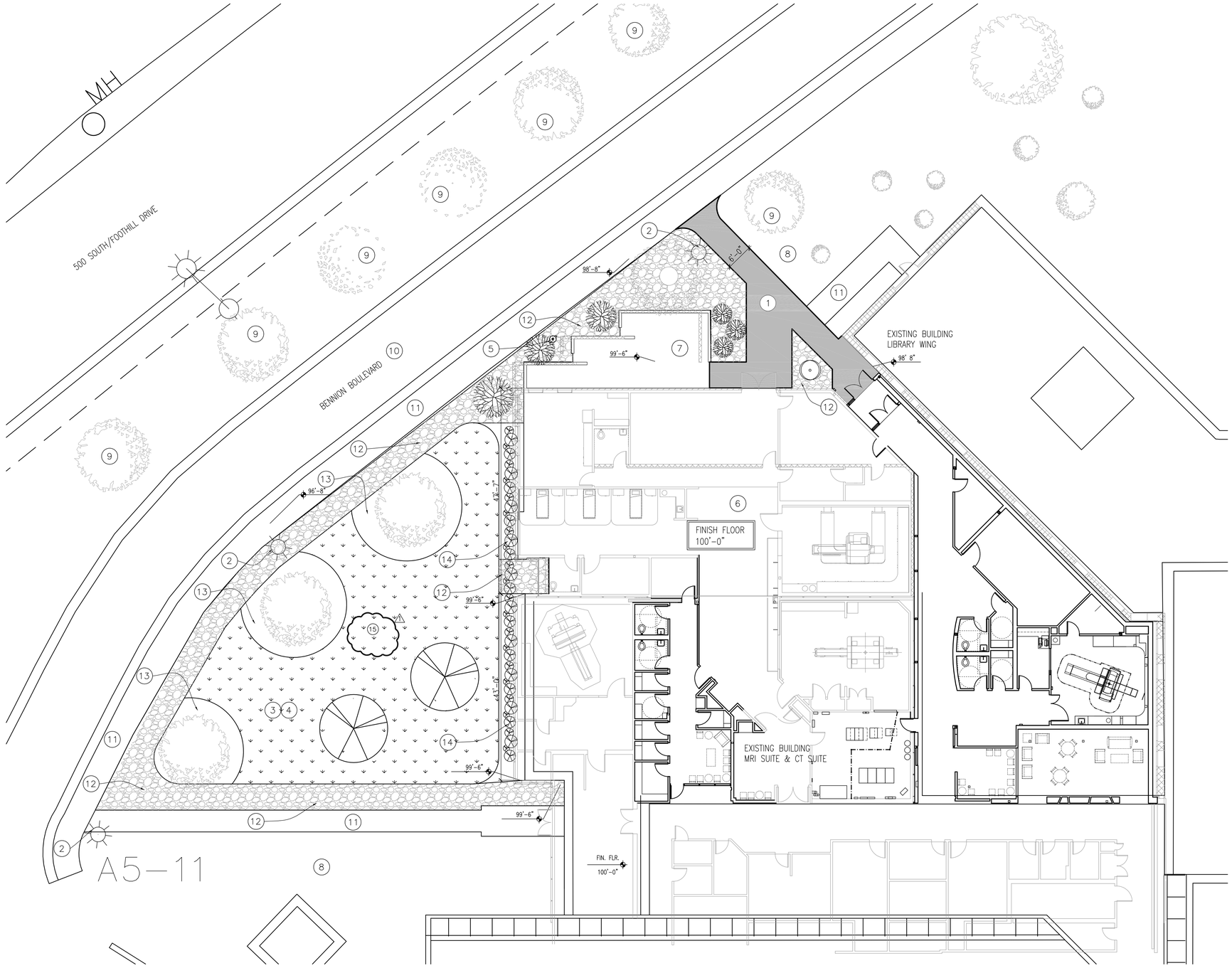
Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

File Name: S:\00_projects\2012\VAMC\VAMC CT Site Prep\CD\COMPLETE ISSUED FOR CONSTRUCTION\Drawings DWG\AD401.dwg Last Plotted: 2013/06/07 @ 12:15 PM By: blake

one eighth inch = one foot | three quarters inch = one foot | one quarter inch = one foot | three eighths inch = one foot | one half inch = one foot | one and one half inches = one foot | one inch = one foot | three inches = one foot



GENERAL NOTES

A. NEW IRRIGATION SPRINKLER SYSTEM SHALL BE PROVIDED ON A DESIGN BUILD PACKAGE. FIELD SURVEY (E) SYSTEM AND DESIGN/BUILD A NEW SYSTEM IN ACCORDANCE WITH SPECIFICATIONS.

B. EXISTING SPOT ELEVATIONS ARE SHOWN FOR REFERENCE INDICATED THUSLY~

(XX) SITE PLAN KEYED NOTES

1. NEW SIDEWALK @ GRADE-SHOWN
2. (E) LAMP POST PROTECT IN PLACE
3. AFTER CONSTRUCTION REMOVE SITE FENCE, STABILIZE CONSTRUCTION ENTRANCE, SPLASH PAD, SECURITY FENCE. ALL OTHER STAGING MATERIAL & DEBRIS, AND PREP. SITE FOR NEW LANDSCAPING
4. REMOVE ANY NON-ORGANIC SEDIMENT FROM RETENTION BASIN AND RE-GRADE SITE IN PREPARATION FOR LANDSCAPING. SLOPE SITE GENTLY TO (E) SIDEWALK OR BENNION BLVD.
5. (E) FIRE HYDRANT- DO NOT DISTURB
6. PHASE 1 PLAN SHOWN FOR REFERENCE
7. CONCRETE PAD AT EQUIPMENT ENCLOSURE INSTALLED IN PREVIOUS PHASE
8. (E) GRASS LANDSCAPING TO REMAIN-PROTECT IN PLACE. RESTORE TO PRE-EXISTING CONDITION, INCLUDING IRRIGATION SPRINKLER SYSTEM
9. (E) TREE/SHRUB TO REMAIN – PROTECT IN PLACE.
10. (E) ROAD – KEEP CLEAR AND CLEAN AT ALL TIMES.
11. (E) CONCRETE SIDEWALK, CURB & GUTTER TO REMAIN – PROTECT IN PLACE
12. 8" DEEP COBBLE ROCK MULCH WITH STEEL EDGING
13. FLOWER PLANTING BED WITH CROCUS & NARCICCUS BULBS – 2 PER SF AT PERIMETER – GRADUALLY INCREASING TO 6 PER SF AT BASE OF TREE
14. PLANTING BED WITH STEEL EDGING
15. AT GRASS LIKE HATCH, THIS AREA TO RECEIVE SOD AND TOP SOIL

TREE/PLANTING LEDGEND

- 3" CALIPER DECIDUOUS TREE TO MATCH EXISTING TREES ALONG STREET
- 4" CALIPER SERBIAN OR COLORADO SPRUCE
- 1-1/2" RED TWIG DOGWOOD
- CAREX ORANGE SEDGE GRASS – 1 GALLON
- OREGON GRAPE OR YEW 2 GALLON
- AMERICAN HOLLEY – 2 GALLON

REMODEL SITE PLAN

NORTH

SCALE: 1" = 10'-0"

FINAL CONSTRUCTION DOCUMENTS

ISSUED FOR CONSTRUCTION	2012-07-01
⚠ ADDENDUM #1	6/7/13
Revisions:	Date

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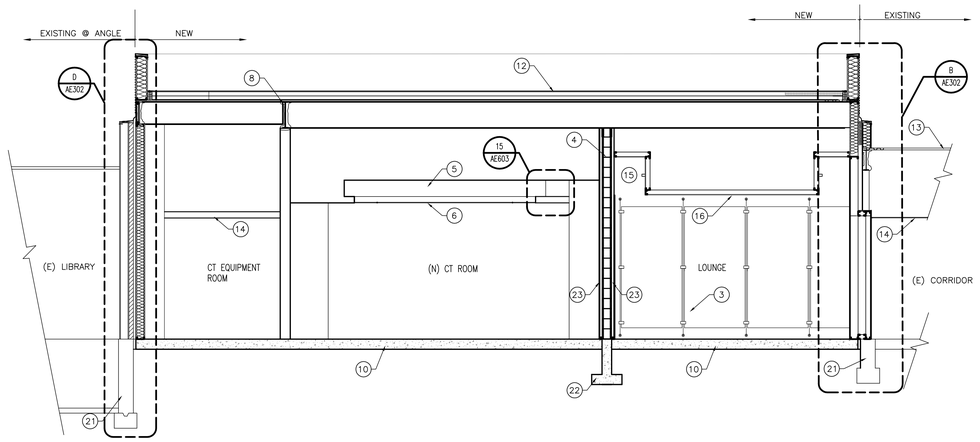
Drawing Title: REMODEL SITE PLAN	Project Title: CT SITE PREP
Approved: Project Director	Location: VAMC - SALT LAKE CITY, UT
	Date: OCTOBER 30, 2012 / Checked / Drawn

Project Number: 660-CSI-104
Building Number: B.01
Drawing Number: AS101
Dwg. 14 of 59

Office of Construction and Facilities Management
Department of Veterans Affairs

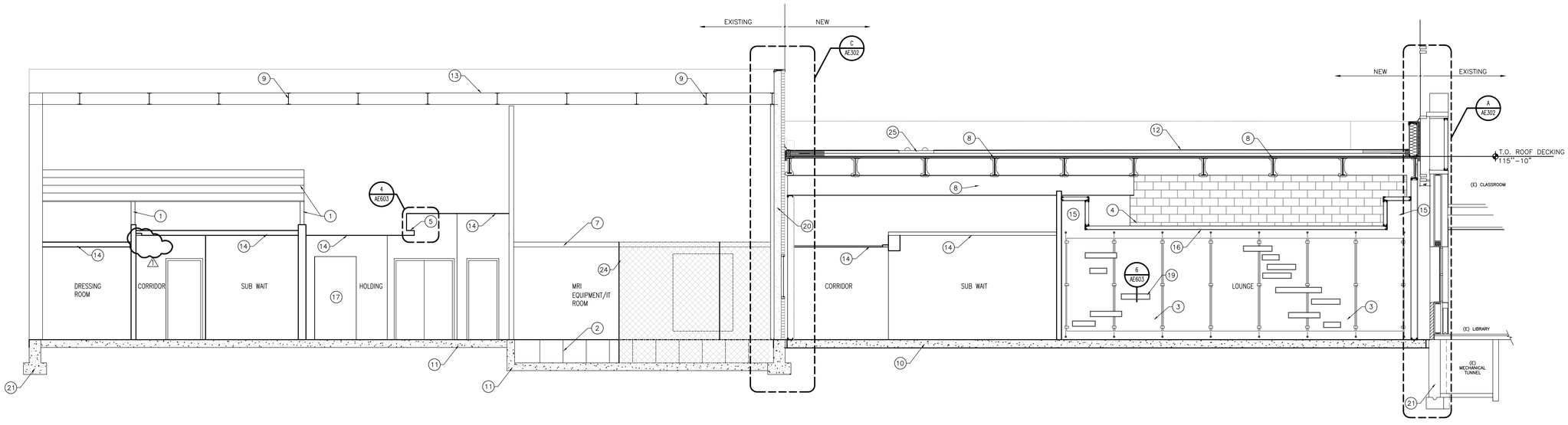
File Name: S:\00_projects\2012\VAMC\VAMC CT Site Prep\CD\COMPLETE ISSUED FOR CONSTRUCTION\Drawings DWG\AS101.dwg Last Plotted: 2013/06/07 @ 11:59 AM By: blake

VA FORM 08-6231



B — SHORT BUILDING SECTION

SCALE: 1/4" = 1'-0"



A — LONGITUDINAL BUILDING SECTION

SCALE: 1/4" = 1'-0"

XX KEYED NOTES

1. RELOCATED PLENUM SUPPORT COLUMN AND CATWALK
2. (E) ELEVATED FLOORING SYSTEM FOR SUPPLY AIR
3. (N) WALL MOUNTED RESIN PANEL SYSTEM SEE INTERIOR ELEVATION
4. (N) CMU SHEAR WALL– BEYOND
5. (N) COVE LIGHTING SYSTEM
6. (N) RESIN PANEL SUSPENDED CEILING
7. (E) CEILING SYSTEM.
8. (N) STEEL BEAM W/ FIRE PROOFING TYPICAL –SEE STRUCTURAL
9. (E) ROOF STRUCTURE –PROTECT IN PLACE
10. (N) CONCRETE SLAB –SEE STRUCTURAL
11. (E) CONCRETE SLAB
12. (N) PVC ROOFING SYSTEM ON STEEL DECK
13. (E) PVC ROOFING SYSTEM ON STEEL DECK
14. (N) ACOUSTIC CEILING SYSTEM
15. RECESSED PERIMETER LIGHT WELL
16. (N) CEMENTITIOUS CEILING PANELS, FASTENED WITH MANUFACTURERS APPROVED SCREWS COLORED TO MATCH PANELS –SEE REFLECTED CEILING PLAN AND DETAIL 14/AE603
17. LOCKER ALCOVE
18. NOT USED
19. (N) RESIN ACCENT PANEL
20. (E) CONCRETE SHEAR WALL TO REMAIN
21. (E) FOOTING/FOUNDATIO TO REMAIN
22. (N) CONCRETE FOOTING/FOUNDATION –SEE STRUCTURAL
23. (N) METAL STUDS AND GYPSUM BOARD FURRING @ CMU WALLS
24. (N) EXPANDABLE METAL MESH WALL FROM CONCRETE SLAB TO CEILING
25. (N) ROOF DRAIN – SEE PLUMBING

FINAL CONSTRUCTION DOCUMENTS

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Drawing Title	BUILDING SECTIONS
Approved: Project Director	
Project Title	CT SITE PREP
Location	VAMC - SALT LAKE CITY, UT
Date	OCTOBER 30, 2012
Checked	
Drawn	
Project Number	660-CSI-104
Building Number	B.01
Drawing Number	AE301
	Dwg. 21 of 59

Office of Construction and Facilities Management
Department of Veterans Affairs

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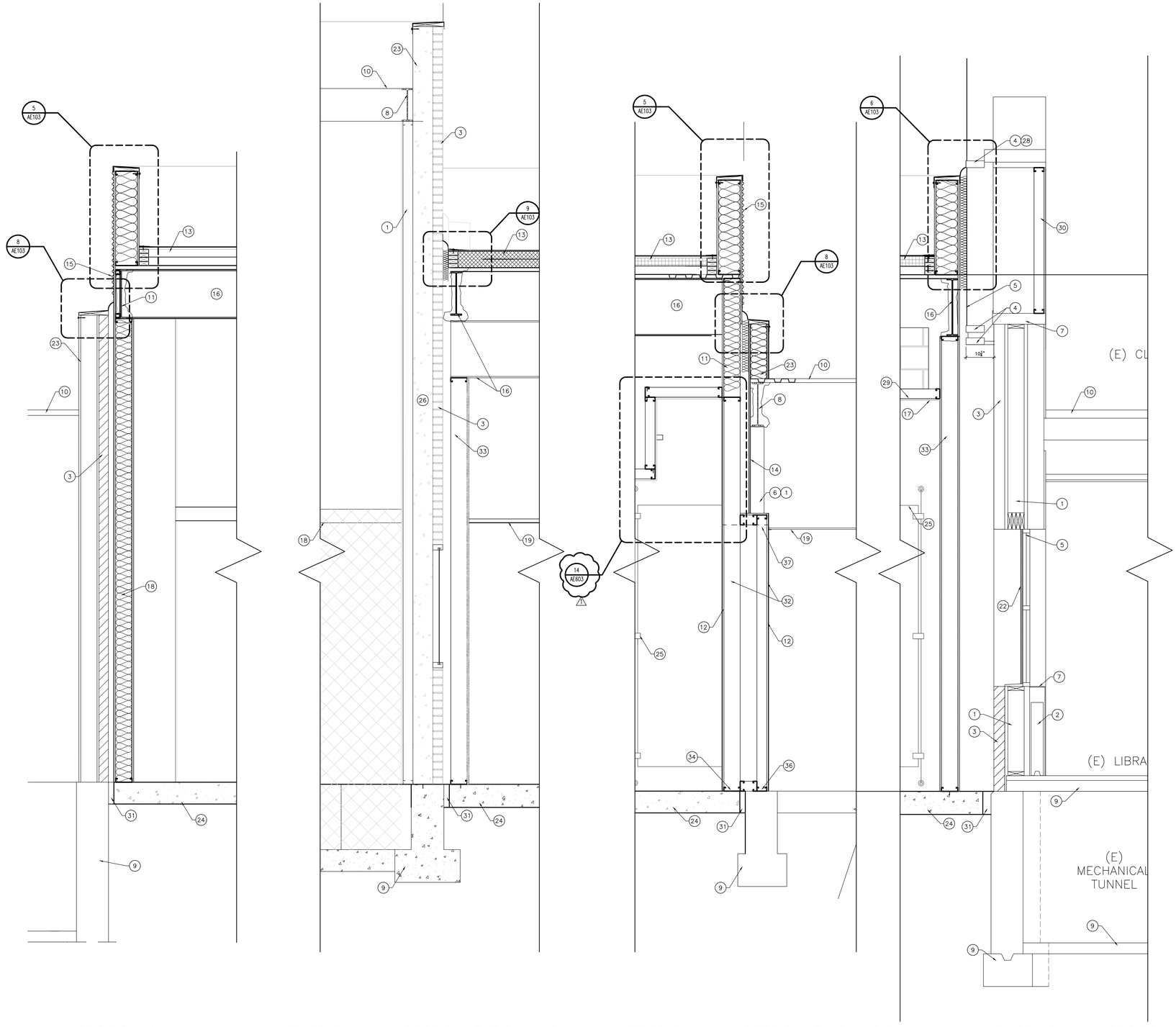
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
three inches = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



KEYED NOTES

(XX)

1. (E) FRAMING TO REMAIN
2. (E) RADIATOR TO REMAIN
3. (E) BRICK TO REMAIN
4. (E) WINDOW MULLION TO REMAIN
5. (E) WINDOW SYSTEM TO REMAIN –EXTERIOR FACE OF GLASS SHOWN
6. (E) COLUMN BEYOND
7. (E) WINDOW SILL
8. (E) BEAM
9. (E) CONCRETE FOOTING, FOUNDATION OR SLAB
10. (E) ROOFING SYSTEM TO REMAIN –PROTECT IN PLACE
11. (N) R-19 F.G. INSULATION
12. (N) WOOD VENEER PANELS –SEE INTERIOR ELEVATIONS
13. (N) PVC ROOFING SYSTEM W/ INSULATION ON METAL ROOF DECKING
14. (N) EXTERIOR GYPSUM SHEATHING
15. (N) CORRUGATED METAL PANEL –MATCH EXISTING ON ADJACENT BUILDING. –ALIGN RIBS HORIZONTALLY
16. (N) STEEL BEAM –SEE STRUCTURAL
17. (N) 5/8" TYPE X GYPSUM BOARD
18. (N) METAL STUD WALL –SEE WALL TYPE –APPLY TYPE X 5/8" G.B. TO EXTERIOR FACE PRIOR TO STANDING WALL. INSTALL AND RAISE IN PANELIZED SECTIONS LIKE TRADITIONAL WOOD FRAMING.
19. (N) SUSPENDED ACOUSTIC CEILING SYSTEM
20. NOT USED
21. NOT USED
22. (N) OPAQUE FILM APPLIED TO EXTERIOR OF (E) GLASS
23. (E) PARAPET TO REMAIN
24. (N) CONCRETE SLAB
25. (N) RESIN PANEL SYSTEM SEE INTERIOR ELEVATIONS
26. (E) CONCRETE SHEAR WALL
27. NOT USED
28. TOP OF (N) PARAPET & EXPANSION JOINT TO ALIGN HORIZONTALLY W/ EXISTING WINDOW MULLION
29. (N) LIGHT GAUGE METAL STUD FRAMING. 24" O.C.
30. (N) AT ROOM (2B30 AND 2B30A) REMOVE SILL AND INFILL THE 4 CLASSROOM WINDOW OPENINGS WITH 5/8" GYPSUM BOARD OVER 3 5/8" METAL STUDS, 16" O.C. –MATCH EXISTING DRYWALL TEXTURE AND REPAINT ENTIRE WALL.
31. (N) EXPANSION JOINT
32. (N) 3 5/8" METAL STUD
33. (N) METAL STUD WALL –SEE WALL TYPE
34. DO NOT FASTEN WALL SYSTEM @ (N) SLAB
35. CEILING @ SLOTS PASSING THROUGH FEATURE WALL
36. FASTEN WALL SYSTEM @ (E) SLAB ONLY
37. FINISH "CEILING" INSIDE "SLOT" WITH WOOD VENEER PANEL

D/– WALL SECTION @ LIBRARY
SCALE: 3/4" = 1'-0"

C/– (E) TO (N) WALL SECTION @ CORRIDOR
SCALE: 3/4" = 1'-0"

B/– (E) TO (N) WALL SECTION @ LOUNGE
SCALE: 3/4" = 1'-0"

A/– EXISTING WALL SECTION @ MULTI LEVEL LIBRARY
SCALE: 3/4" = 1'-0"

FINAL CONSTRUCTION DOCUMENTS

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⚠1 ADDENDUM #1	6/7/13
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Drawing Title: WALL SECTIONS	Project Title: CT SITE PREP	Project Number: 660-CSI-104	Office of Construction and Facilities Management
Approved: Project Director	Location: VAMC - SALT LAKE CITY, UT	Building Number: B.01	
	Date: OCTOBER 30, 2012 / Checked / Drawn	Drawing Number: AE302 Dwg. 22 of 59	Department of Veterans Affairs

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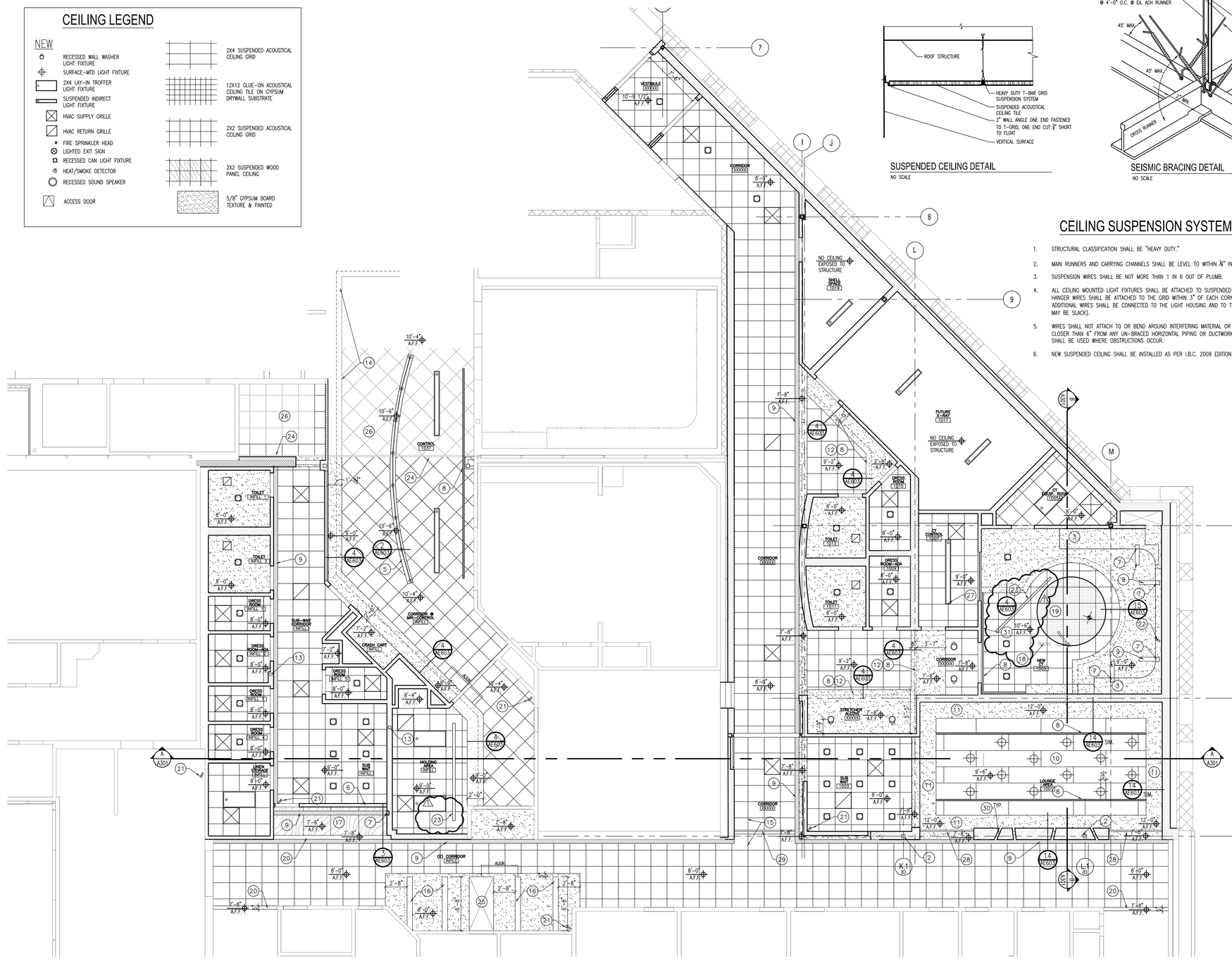
CEILING LEGEND

NEW

- RECESSED WALL WASHER LIGHT FIXTURE
- SURFACE-MTD LIGHT FIXTURE
- 2X4 LAY-IN TROFFER LIGHT FIXTURE
- SUSPENDED INDIRECT LIGHT FIXTURE
- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE
- FIRE SPRINKLER HEAD
- LIGHTED EXIT SIGN
- RECESSED CAN LIGHT FIXTURE
- HEAT/SMOKE DETECTOR
- RECESSED SOUND SPEAKER
- ACCESS DOOR
- 2X4 SUSPENDED ACOUSTICAL CEILING GRID
- 12X12 GLUE-ON ACOUSTICAL CEILING TILE ON GYPSUM DRYWALL SUBSTRATE
- 2X2 SUSPENDED ACOUSTICAL CEILING GRID
- 2X2 SUSPENDED WOOD PANEL CEILING
- 5/8" GYPSUM BOARD TEXTURE & PAINTED

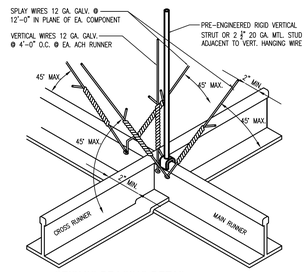


REFLECTED CEILING PLAN

SCALE: 3/16" = 1'-0"

SUSPENDED CEILING DETAIL

NO SCALE



SEISMIC BRACING DETAIL

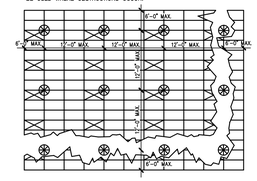
NO SCALE

CEILING SUSPENSION SYSTEM NOTES:

1. STRUCTURAL CLASSIFICATION SHALL BE "HEAVY DUTY."
2. MAIN RUNNERS AND CARRYING CHANNELS SHALL BE LEVEL TO WITHIN ⅜" IN 12'-0".
3. SUSPENSION WIRES SHALL BE NOT MORE THAN 1 IN 6 OUT OF PLUMB.
4. ALL CEILING MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO SUSPENDED CEILING GRID, IN ADDITION 12 GA. HANGER WIRES SHALL BE ATTACHED TO THE GRID WITHIN 3" OF EACH CORNER OF THE FIXTURE. TWO ADDITIONAL WIRES SHALL BE CONNECTED TO THE LIGHT HOUSING AND TO THE STRUCTURE ABOVE (THESE WIRES MAY BE SLACK).
5. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT, NOR SHALL THEY BE CLOSER THAN 6" FROM ANY UN-BRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZE OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.
6. NEW SUSPENDED CEILING SHALL BE INSTALLED AS PER I.B.C. 2009 EDITION REGARDING SEISMIC BRACING.

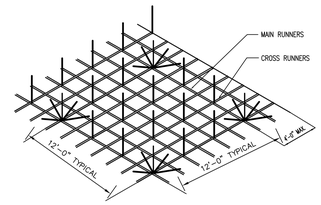
ALL CEILING MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO SUSPENDED CEILING GRID, IN ADDITION 12 GA. HANGER WIRES SHALL BE ATTACHED TO THE GRID WITHIN 3" OF EACH CORNER OF THE FIXTURE. TWO ADDITIONAL WIRES SHALL BE CONNECTED TO THE LIGHT HOUSING AND TO THE STRUCTURE ABOVE (THESE WIRES MAY BE SLACK).

WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT, NOR SHALL THEY BE CLOSER THAN 6" FROM ANY UN-BRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZE OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.



TYP. SUSPENDED CEILING SUPPORT

NO SCALE AREAS SMALLER THAN 1000 SQ. FT. W/ WALLS ON FOUR SIDES
DO NOT REQUIRE HORIZONTAL RESTRAINT WIRE OR RIGID BRACING



1. ALL SPLAY WIRES TO BE IN-LINE WITH ATTACHED COMPONENT.
2. ALL SPLAY TO BE TAUT AND TIED BOTH ENDS W/ MIN. OF 3 TURNS IN 1" OF RUN.
3. FIRST LINE OF BRACING 4'-0" OR LESS FROM WALL OR BOUNDARY.
4. INSTALLATION SHALL BE IN ACCORDANCE W/ IBC 2009

TYP. SUSPENDED CEILING SUPPORT

NO SCALE GRID SUSPENSION SYSTEM SHALL BE HEAVY-DUTY RATED

GENERAL CEILING NOTES

1. COORDINATE CEILING INSTALLATION WITH OTHER TRADES AFFECTED (HVAC, ELECTRIC, PLUMBING ETC...).
2. (N) CEILING SYSTEM HEIGHT SHALL MATCH (E) CEILING SYSTEM HEIGHT, U.N.O. – COORDINATE WITH (E) FIRE SUPPRESSION SYSTEM THAT IS TO REMAIN IN PLACE
3. (E) FIRE SPRINKLER SYSTEM SHALL REMAIN.
4. (E) ELECTRICAL, MECHANICAL, FIRE-SPRINKLERS, FIRE / SMOKE ALARM DEVICES SHOWN ON THIS SHEET ARE FOR GENERAL INFORMATION ONLY. SEE RELATED MECHANICAL, ELECTRICAL AND PLUMBING SHEETS FOR SPECIFIC DETAILED DIRECTION.

KEYED NOTES

1. NOT USED
2. (E) STRUCTURAL COLUMN –PROTECT IN PLACE
3. FULL HEIGHT CABINETS – EXTEND
4. NOT USED
5. RESIN PANEL WALL SYSTEM – MOUNTED TO GYP. BD. BULK HEAD
6. STOREFRONT GLAZING SYSTEM
7. RECESSED WALL LIGHT –ALIGN WITH CEILING LIGHT. –SEE ELECTRICAL
8. SLOT DIFFUSERS RETURN/SUPPLY –SEE MECHANICAL
9. CONTINUOUS RECESSED CEILING LIGHT FIXTURE – SEE ELECTRICAL
10. 1" THICK 2'x8' CEMENTITIOUS WOOD FIBER CEILING PANELS
11. GYPSUM BOARD RECESSED SYSTEM WITH INDIRECT LIGHTS IN COVE –SEE ELECTRICAL
12. COVE LIGHTING –SEE ELECTRICAL
13. RELOCATED STRUCTURAL COLUMN FOR PLENUM DECK –SEE STRUCTURAL
14. ALIGN (N) COVE CEILING WITH (E) COVE CEILING
15. THE CEILING GRID @ THE NEW EAST/WEST CORRIDOR IS THE POINT OF ORIGIN FOR THE REMODLED CEILING IN THE NORTH/SOUTH CORRIDOR. ALIGN GRIDS APPROPRIATELY.
16. 4" DEEP X 8" WIDE GYPSUM BOARD NICHES
17. WOOD PANEL CEILING TO MATCH ADJACENT WOOD WALL PANELS –ALIGN REVEAL JOINTS WITH ADJACENT WINDOW MULLIONS.
18. CEILING MOUNTED CONTRAST INJECTOR – COORDINATE INSTALLATION WITH VENDOR
19. 2'X2' –1/2" THICK RESIN CEILING PANELS IN SUSPENSION GRID SYSTEM
20. PROVIDE NEW HEADER WITH 3 5/8" METAL STUD FRAMING WITH GYPSUM BOARD
21. (N) CEILING MOUNTED CCTV
22. (N) CASEWORK MOUNTED CCTV SEE INTERIOR ELEVATION SHEET AE601
23. (N) PATIENT LIFT. DESIGN STANDARD: MAXISKY 2, WITH AUTOMATIC IN-TRACK CHARGING & 600LB. WEIGHT CAPACITY. PROVIDE NECESSARY TRAPEZE STRUCTURAL SUPPORT.
24. (E) CEILING EXPANSION JOINT TO REMAIN
25. (E) SKYLIGHT OPENING–MAINTAIN SIZE AND SHAPE
26. (E) SUSPENDED ACOUSTICAL LAY-IN CEILING SYSTEM TO REMAIN. PATCH AND REPAIR AS NECESSARY FOR NEW WORK INSTALLATION
27. SALVAGED LIGHT FIXTURE FROM MRI CONTROL AREA – SEE ELECTRICAL
28. CEILING EXPANSION COVER – SEE DETAIL 9/AE603
29. CEILING EXPANSION COVER – SEE DETAIL 10/AE603
30. GYP. BD. CEILING IN SLOT – PAINT TO MATCH ADJACENT WALL COLOR
31. (N) CEILING MOUNTED MONITOR BOOM. COORDINATE FINAL LOCATION WITH OWNER AND VENDOR

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Drawing Title	REFLECTED CEILING PLAN
Approved: Project Director	
Project Title	CT SITE PREP
Location	VAMC - SALT LAKE CITY, UT
Date	OCTOBER 30, 2012
Checked	
Drawn	
Project Number	660-CSI-104
Building Number	B.01
Drawing Number	AE401
	Dwg. 23 of 59

Office of Construction and Facilities Management
Department of Veterans Affairs

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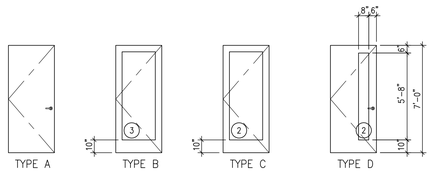
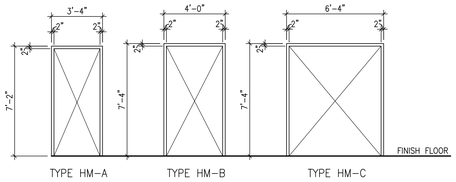


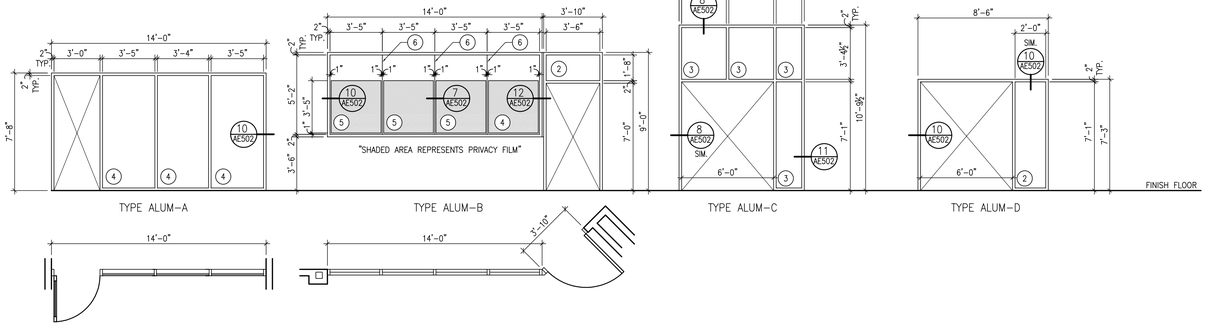
DOOR TYPES:

SCALE: 1/4" = 1'-0"



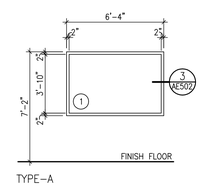
HOLLOW METAL FRAME TYPES:

SCALE: 1/4" = 1'-0"



ALUMINUM STOREFRONT FRAME TYPES:

SCALE: 1/4" = 1'-0"



WINDOW FRAME TYPES:

SCALE: 1/4" = 1'-0"

Ⓧ GLAZING SCHEDULE:

1. CLEAR VISION GLAZING – PROVIDE LEAD SHIELDING. SEE FORTHCOMING PHYSICIST REPORT FOR REQUIRED LEAD SHIELDING
2. 1/4" CLEAR VISION GLAZING, TEMPERED
3. 1" VISION INSULATED BRONZE GLAZING, TEMPERED
4. 1/4" CLEAR VISION GLAZING, TEMPERED WITH PRIVACY FILM – PLACE FILM ON SUB-WAIT CORRIDOR SIDE
5. 1/4" CLEAR VISION GLAZING WITH PRIVACY FILM – PLACE FILM ON SUB-WAIT CORRIDOR SIDE
6. BUTT GLAZING

DOOR SCHEDULE

NOTE: HARDWARE GROUPS ARE LISTED IN SPECIFICATIONS

MARK	FIRE RATING	TYPE	SIZE			DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME TYPE	FRAME FINISH	HARDWARE GROUP	DETAILS			REMARKS
			WIDTH	HEIGHT	THICKNESS							HEAD	JAMB	THRESHOLD	
(118)	SMOKE	A	3'-0"	7'-6"	1 3/4"	WOOD	STAIN	ALUM	ALUM-A	CLEAR	6G	10/AE502	10/AE502		
(119)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	4F	5/AE502	5/AE502		3
(120)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	2	5/AE502	5/AE502		3
(121)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	2	5/AE502	5/AE502		3
(122)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	2	5/AE502	5/AE502		3
(123)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	2	5/AE502	5/AE502		3
(124)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	2	5/AE502	5/AE502	YES	1, 3
(125)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	2	5/AE502	5/AE502	YES	1, 3
(126)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	3	5/AE502	14/AE502		3
(127)		C	3'-6"	7'-0"	1 3/4"	ALUM	CLEAR	ALUM	ALUM-B	CLEAR	6G	10/AE502	10/AE502		
(128)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	2	5/AE502	5/AE502		3
(129)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	5J	6/AE502	6/AE502		2, 3
(130)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	2	5/AE502	5/AE502	YES	1, 3
(131)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	2	5/AE502	5/AE502		3
(132)		D	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	3	5/AE502	5/AE502		3
(133)		A	PAIR 2'-0" AND 4'-0"	7'-0"	1 3/4"	WOOD/LEAD	STAIN	H.M./LEAD	HM-C	PAINT	10H	4/AE502	4/AE502		3, 6
(134)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	2	5/AE502	5/AE502	YES	1
(135)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	2	5/AE502	5/AE502		3
(136)		A	3'-0"	7'-0"	1 3/4"	WOOD/LEAD	STAIN	H.M./LEAD	HM-A	PAINT	4F	5/AE502	5/AE502		3, 6
(137)		A	3'-8"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-B	PAINT	4F	13/AE502	13/AE502		3
(138)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	4F	13/AE502	13/AE502		3
(139)		A	3'-0"	7'-0"	1 3/4"	WOOD	STAIN	H.M.	HM-A	PAINT	4F	5/AE502	5/AE502		3
(140)		B	PAIR-3'-0"	7'-1"	1 3/4"	ALUM	DARK BRONZE	ALUM	ALUM-D	DARK BRONZE	8D	10/AE502	10/AE502	YES	4
(141)		C	PAIR-3'-0"	7'-1"	1 3/4"	ALUM	DARK BRONZE	ALUM	ALUM-C	DARK BRONZE	E9	8/AE502	8 & 11 AE502	YES	4
(142)	SMOKE	A	±PAIR-4'-0"	±8'-0"	1 3/4"	H.M.	PAINT	H.M.	–	PAINT	8	1/AE502	2/AE502		3

1. PROVIDE STONE ADA COMPLIANT THRESHOLD – SEE FINISH SCHEDULE FOR COLOR
2. PREPARE DOOR AND FRAME FOR ELECTRIC LOCKSET AND CARD READER
3. HOSPITAL STYLE FRAME STOPS
4. PROVIDE ADA COMPLIANT ALUMINUM THRESHOLD IN FULL BED OF MASTIC
5. PROVIDE TOTAL DOOR OR EQUIVALENT – SEE PLAN DETAIL 15/AE502. PAINT EACH LEAF TO MATCH WALL COLOR DOOR LEAF IS OPENED TOO
6. 1/8" EQUIVALENCE LEAD (Pb) SHIELDING IN DOOR AND FRAME – SEE FORTHCOMING PHYSICIST REPORT FOR THICKNESS OF LEAD (Pb) SHIELDING REQUIRED

DESCRIPTION

F FLOOR

- F1 CT-1 4"x4" CERAMIC TILE DALTILE/AMERICAN OLEAN. COLOR; MATTE MUSHROOM (2) 0041
- F2 VCT-1 12"x12" ARMSTRONG, COLOR; IMPERIAL TEXTURE STANDARD EXCELON #51916 DUTCH DELFT
- F3 LVT-1 6"x36" PLANKS ARMSTRONG LUXURY VINYL TILE NATURAL CREATIONS, COLOR: #TP783 SIDELINE – RANDOM STAGGER PATTERN
- F4 LVT-2 18"x18" TILES ARMSTRONG LUXURY VINYL TILE NATURAL CREATIONS, COLOR; TP790 JET WARM BROWN – QUARTER TURN PATTERN
- F5 SV-1 SHEET VINYL ARMSTRONG REJUVENATION TIMBERLINE, COLOR; #37361 CHERRY NATURALLY
- F6 SV-2 SHEET VINYL ARMSTRONG REJUVENATION TIMBERLINE, COLOR; #37362 CHERRY RUDDY CHEEKS
- F7 SEALED CONCRETE
- F8 LVT 4"x36" PLANKS, ARMSTRONG – NATURAL CREATIONS, ARBOR ART. COLOR; TP010 WILD CHERRY MEDIUM. RANDOM STAGGERED PATTERN
- F9 LVT 2/3-12"x24" TILES, ARMSTRONG – NATURAL CREATIONS, MYSTIX. COLOR; TP709 KINDERLOY BLACKENED LEAD. STAGGERED PATTERN

  LVT 1/3-12"x24" TILES. ARMSTRONG – NATURAL CREATIONS, MYSTIX. COLOR TP708 KINDERLOY SMOKED ALUMINUM. STAGGERED PATTERN
- F10 CPT INTERFACE, URBAN RETREAT I, UR102. COLOR; 102994 GRANITE – SEE FINISH PLAN FOR PATTERN
- F11 INTERFACE, URBAN RETREAT I, UR101. COLOR 10354 GRANITE/LICHEN – SEE FINISH PLAN FOR PATTERN
- F12 CPT INTERFACE, URBAN RETREAT I, UR103. COLOR 10354 GRANITE/LICHEN – SEE FINISH PLAN FOR PATTERN
- F13 CPT WALK OFF MATT – TILE – INTERFACE – STYLE 12901, COLOR 7187 BLACK

B BASE

- B1 6" VINYL BASE ROPPE, COLOR; #631 SAHARA
- B2 4" COVED CERAMIC TILE
- B3 6" COVED SHEET VINYL BASE
- B4 6" WOOD LOOK VINYL BASE. JOHNSONITE REVEAL. 6" MW-XXX-F6. COLOR; 302 FINE CHERRY

W WALLS

- W1 COLUMBIA MASTERPIECE LIFETIME SILK INTERIOR ACRYLIC LATEX, SHERWIN WILLIAMS #SW7011 NATURAL CHOICE, GLOSS LEVEL 3-EGG SHELL (TYPICAL GYP. BD. FINISH U.N.O.)
- W2 COLUMBIA MASTERPIECE LIFETIME SILK INTERIOR ACRYLIC LATEX, SHERWIN WILLIAMS #SW7032 WARM STONE, GLOSS LEVEL 3-EGG SHELL
- W3 COLUMBIA MASTERPIECE LIFETIME SILK INTERIOR ACRYLIC LATEX, SHERWIN WILLIAMS #SW6213 HALCYON GREEN, GLOSS LEVEL 3-EGG SHELL
- W4 COLUMBIA MASTERPIECE LIFETIME SILK INTERIOR ACRYLIC LATEX, SHERWIN WILLIAMS #SW6241 ALEUTIAN, GLOSS LEVEL 3-EGG SHELL
- W5 COLUMBIA MASTERPIECE LIFETIME SILK INTERIOR ACRYLIC LATEX, SHERWIN WILLIAMS #SW6243 DISTANCE, GLOSS LEVEL 3-EGG SHELL
- W6 COLUMBIA MASTERPIECE LIFETIME SILK INTERIOR ACRYLIC LATEX, SHERWIN WILLIAMS #SW6707 NARCISSUS, GLOSS LEVEL 3-EGG SHELL
- W7 4"x4" CERAMIC TILE DALTILE/AMERICAN OLEAN. COLOR; MATTE MUSHROOM (2) 0041
- W8 NO GYPSUM BOARD – EXPOSED METAL STUDS
- W9 WOOD VENEER PANEL

C CEILING

- C1 2'x2' SUSPENDED ACOUSTICAL CEILING SYSTEM
- C2 SUSPENDED GYPSUM BOARD CEILING, PAINT W1 TYPICAL
- C3 NO CEILING – EXPOSED TO STRUCTURE
- C4 GYPSUM BOARD SOFFIT
- C5 2'x2' SUSPENDED WOOD CEILING SYSTEM
- C6 24"x96" DIRECT ATTACHED CEILING PANEL. TECTUM. COLOR; NATURAL, GAUGE 1", BEVEL (ALL SIDES) – SEE REFLECTED CEILING PLAN FOR PATTERN

S SPECIAL TRIM OR EQUIPMENT

- S1 ADA COMPLIANT STONE THRESHOLD. PROVIDE AMERICAN OLEAN, COLOR; CHIARO BEIGE MARBLE, POLISHED #710
- S2 3-FORM, VARIA ECORESIN. STYLE; CURRENT PORCELAIN FADE + MIDNIGHT, FRONT FINISH: SANDSTONE, BLACK FINISH: SANDSTONE – GAUGE; 1/2"
- S3 3-FORM, VARIA ECORESIN. STYLE; BEAR GRASS FADE, FRONT FINISH: PATINA, BACK FINISH: SANDSTONE – GAUGE 3/8"
- S4 3-FORM, VARIA ECORESIN. STYLE; TUMBLE + BLISS, FRONT FINISH; TUMBLE EMBOSS, BACK FINISH; SANDSTONE – GAUGE 3/8"
- S5 3-FORM, VARIA ECORESIN. STYLE; STACK FULL, FRONT FINISH; SANDSTONE, BACK FINISH; SANDSTONE – GAUGE 1/2"

ROOM FINISH SCHEDULE

ROOM	FLOOR		WALLS				CEILING		REMARKS
	MATERIAL	BASE	NORTH	EAST	SOUTH	WEST	MATERIAL	HEIGHT	
PATIENT TOILET INFILL#1	F1	B2	W1/ W7	W1/ W7	W1/ W7	W1/ W7	C2	SEE RCP	
PATIENT TOILET INFILL#2	F1	B2	W1/ W7	W1/ W7	W1/ W7	W1/ W7	C2	SEE RCP	
INTERVIEW ROOM INFILL	EXISTING	B1	EXISTING	EXISTING	W1	W1	EXISTING	EXISTING	1
DRESS ROOM INFILL#1	F8	B4	W1	W1	W1	W1	C1	SEE RCP	
DRESS ROOM-ADA- INFILL #2	F8	B4	W1	W1	W1	W1	C1	SEE RCP	
DRESS ROOM INFILL #3	F8	B4	W1	W1	W1	W1	C1	SEE RCP	
DRESS ROOM INFILL #4	F8	B4	W1	W1	W1	W1	C1	SEE RCP	
LINEN STORAGE INFILL	F2	B1	W1	W1	W1	W1	C1	SEE RCP	
DRESS ROOM INFILL #5	F8	B4	W1	W1	W1	W1	C1	SEE RCP	
SUB-WAIT -INFILL	F8	B1/B4	W1	W5	SEE ELEV	W1	C1	SEE RCP	
SUB-WAIT HALL INFILL	F3	B1	W1	W1	SEE FINISH PLAN	W1	C1	SEE RCP	
MRI CONTROL HALL -INFILL	F3	B1	W1	W1	W1	W1	C1, C2	SEE RCP	
CRASH CART/ OMNICELL -INFILL	F3	B1	W1	W1	W1	W1	C2	SEE RCP	
HOLDING AREA -INFILL	F6	B3	W2	W1	W1	W2	C1, C2	SEE RCP	
(E) CORRIDOR INFILL	F9	B1		SEE FINISH PLAN		SEE FINISH PLAN	C1	SEE RCP	
SUBWAIT 1D03	F8/F3	B1/B4	SEE ELEV	W5	W1	SEE ELEV	C1	SEE RCP	
LOUNGE 1D01	F10, F11, 12	B1/B4 SEE ELEV	W6	W6	W6	SEE ELEV	C4, C6	SEE RCP	
BARIATRIC STRETCHER ALCOVE	F3	B1	W1	W1	W1	W1	C2	SEE RCP	
NEW CT 1D05	F6	B3	W1	W1	SEE ELEV	W1	SEE RCP	SEE RCP	
CT EQUIP ROOM 1D05A	F2	B1	W1	W1	W1	W1	C1	SEE RCP	
CT CONTROL 1D07	F8	B4	W1	W1	W1	W1	C1	SEE RCP	
DRESS ROOM ADA 1D09	F8	B4	W1	W1	W1	W1	C1	SEE RCP	
TOILET 1D11	F1	B2	W1/ W7	W1/ W7	W1/ W7	W1/ W7	C2	SEE RCP	
TOILET 1D13	F1	B2	W1/ W7	W1/ W7	W1/ W7	W1/ W7	C2	SEE RCP	
DRESS ROOM 1D15	F8	B4	W1	W1	W1	W1	C1	SEE RCP	
FUTURE X-RAY 1D17	F14	NONE	W8	W8	W8	W8	C3	SEE RCP	
SHELL SPACE 1D19	F14	NONE	W8	W8	W8	W8	C3	SEE RCP	
VESTIBULE	F13	B1	W1	W1	W1	W1	C1	SEE RCP	
CT HALL	F3	B1	W1	W1	W1	W1	C1	SEE RCP	

1. PATCH, REPAIR & RE-PAINT (E) WALLS AS NECESSARY – MATCH (E) COLOR

FINAL CONSTRUCTION DOCUMENTS

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⚠1 ADDENDUM #1	6/7/13
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Drawing Title: SCHEDULES AND DETAILS
Approved: Project Director
Project Title: CT SITE PREP
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Drawn:
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Building Number: B.01
Drawing Number: AE501
Dwg. 24 of 59

Office of Construction and Facilities Management
Department of Veterans Affairs

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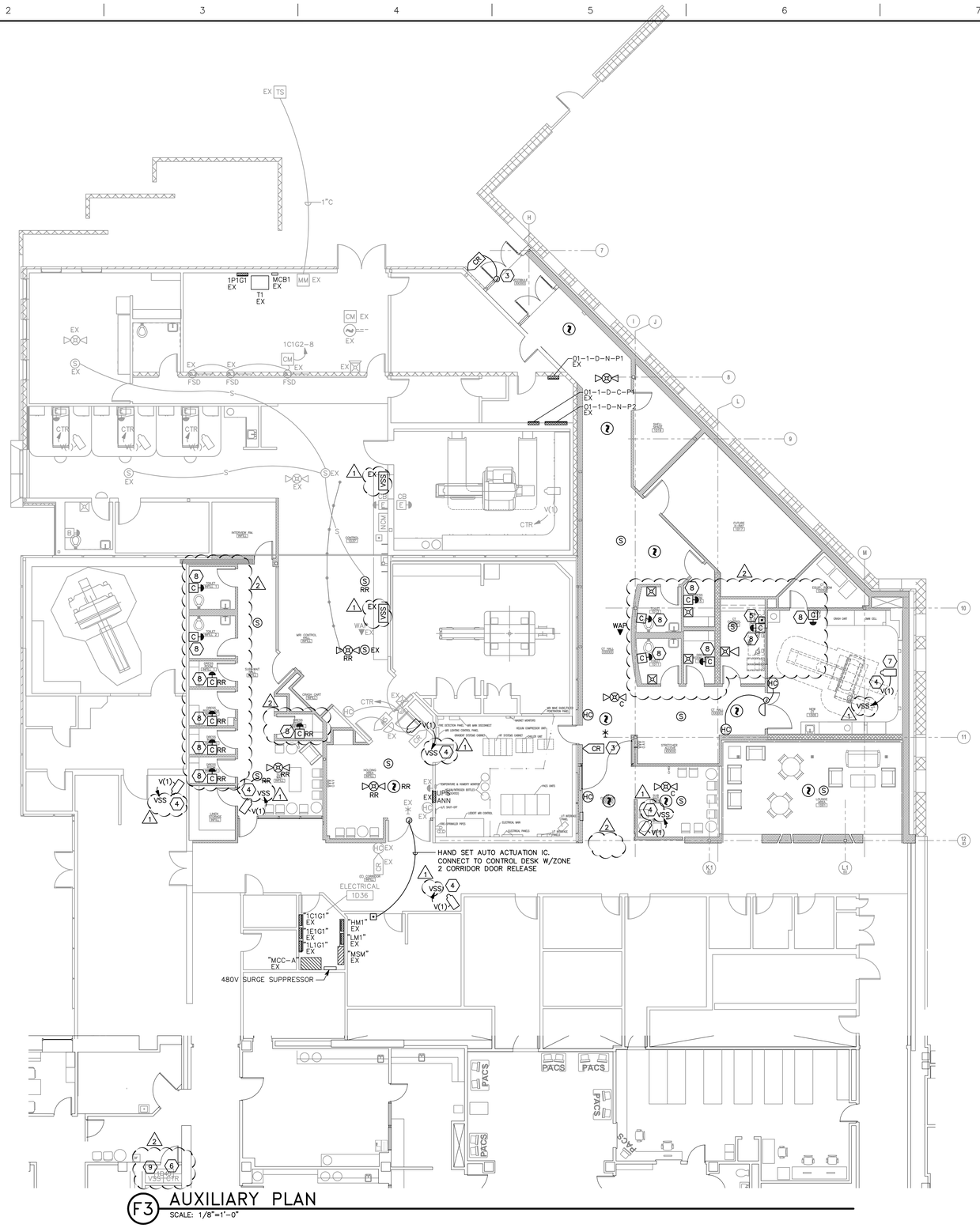

F3 AUXILIARY PLAN

SCALE: 1/8"=1'-0"

GEN. SHEET NOTES

1. ROUGH-IN NURSE CALL DEVICES FOR A RAULAND IV SYSTEM.
2. CONNECT NEW FIRE ALARM SPEAKER/STROBES AND STROBE ONLY DEVICES TO EXISTING SIEMENS FIRE ALARM PAGING AND ANNUNCIATING SYSTEM.

SHEET KEYNOTES

1. CONNECT TO EXISTING GENERAL HOSPITAL PAGING SYSTEM. ALL CONNECTIONS TO EXISTING SYSTEM MUST BE MADE BY A QUALIFIED COMMUNICATIONS SYSTEMS TECHNICIAN. PRESENT EVIDENCE OF SUCH QUALIFICATIONS TO VA FOR APPROVAL BEFORE PERFORMING WORK ON SYSTEM.
2. DUCT DETECTOR IN RETURN AIR DUCT AND CONTROL MODULE TO SHUT DOWN AIR HANDLING UNIT IN CASE OF SMOKE.
3. CONNECT NEW CARD READER TO EXISTING DOOR CONTROL PANEL. CARD KEY BY JCI.
4. CONNECT CAMERA TO EXISTING CCTV PATIENT MONITORING SYSTEM.
5. PROVIDE A DURESS BUTTON UNDER THE LIP OF THE FRONT EDGE OF THE COUNTER SIMILAR TO THE EXISTING WORKSTATION. CONNECT IN PARALLEL WITH EXISTING DURESS BUTTON AT EXISTING CONTROL DESK.
6. EXISTING DOOR CONTROLLER (CTR). USE AN ADDITIONAL COMMUNICATION CARD INSTALLED IN PHASE 1.
7. WALL MOUNT CAMERA IN CASEWORK.
8. PROVIDE WIRELESS EMERGENCY CALL BUTTONS AT PATIENT PREP BED LOCATIONS, DRESSING ROOMS AND TOILET ROOMS. CALL BUTTON WILL ANNUNCIATE ON CCTV PC AT MRI CONTROL DESK, AND AT RECEPTIONIST DESK.
9. VIDEO SURVEILLANCE SYSTEM (VSS) SWITCH TERMINATIONS OF THE NEW CAMERA CABLING.

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Drawing Title	AUXILIARY PLAN
Approved: Project Director	
Project Title	CT SITE PREP
Location	VAMC - SALT LAKE CITY, UT
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Drawn	PSS
Project Number	660-CSI-104
Building Number	B.01
Drawing Number	EY101
Dwg.	57 of 59

Office of Construction and Facilities Management
Department of Veterans Affairs

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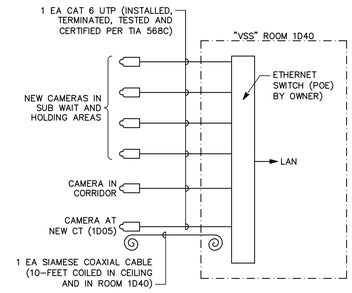


NOTES

1. MATCH CAMERA MODEL AND TYPE USED IN PHASE 1.
2. CAMERA VIEWING SHALL UTILIZE THE SAME SYSTEM CONFIGURATION AS USED IN PHASE 1.

B1 CCTV PATIENT MONITORING SYSTEM DIAGRAM

NTS

SECURE MODE

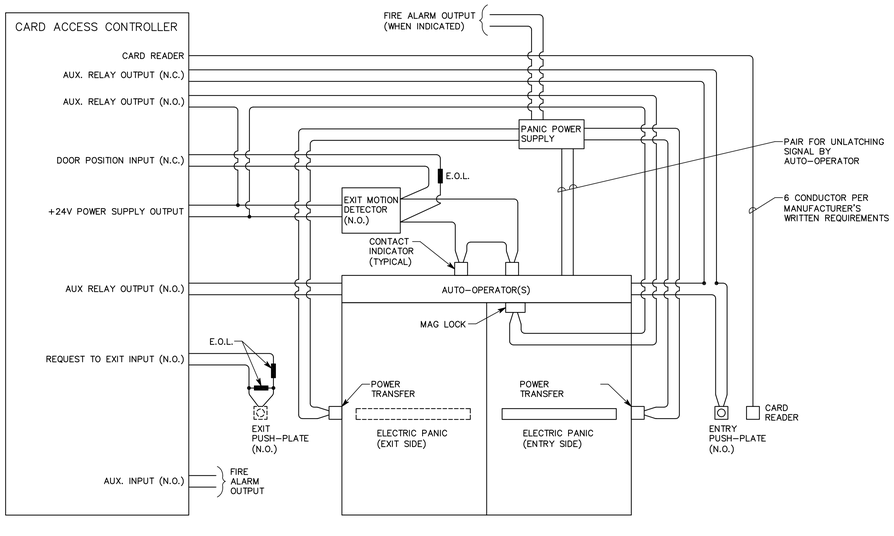
1. ENTRY MAG LOCK NORMALLY LOCKED.
2. ELECTRIC PANIC DEVICES NORMALLY LATCHED.
3. ENTRY PUSH-PLATE NORMALLY DISABLED.
4. EXIT MOTION DETECTOR SHUNTS DPI DURING EXIT NOT PROCEEDED BY EXIT PUSH-PLATE OPERATION.
5. EXIT PUSH-PLATE OPERATION SIGNALS ACCESS SYSTEM TO RELEASE LOCKS, TRIGGER AUTO-OPERATOR, WHICH UNLATCHES ELECTRIC PANIC DEVICES BEFORE OPERATION, AND INTERNALLY SHUNTS THE DPI INPUT DURING THE UNLOCK PERIOD.
6. A VALID CARD READ SIGNALS ACCESS SYSTEM TO RELEASE LOCKS, ENABLE THE ENTRY PUSH-PLATE DURING THE UNLOCK PERIOD, AND INTERNALLY SHUNT THE DPI INPUT DURING THE UNLOCK PERIOD.

UNSECURE MODE

1. ENTRY MAG LOCK RELEASED.
2. ELECTRIC PANIC DEVICES NORMALLY LATCHED.
3. ENTRY PUSH-PLATE ENABLED AND OPERATION TRIGGERS AUTO-OPERATOR WHICH UNLATCHES ELECTRIC PANIC DEVICES BEFORE OPERATION.
4. EXIT PUSH-PLATE OPERATION SIGNALS ACCESS SYSTEM TO TRIGGER AUTO-OPERATOR WHICH UNLATCHES ELECTRIC PANIC DEVICES BEFORE OPERATION.
5. DPI INPUT INTERNALLY SHUNTED.

NOTES

1. PROVIDE ALL CONNECTIONS FOR PROPER INTERFACE OF CARD ACCESS CONTROL AND AUTO-OPERATOR FUNCTIONS. REFER TO SPECIFIC WIRING DIAGRAMS TO BE FURNISHED WITH ELECTRIC DOOR HARDWARE AND AUTO-OPERATOR DEVICES.
2. AUTO-OPERATOR PROVIDER MUST FURNISH LOCK DELAY FUNCTION OUTPUT CONTACTS (OR SEPARATE DEVICE) TO SIGNAL PANIC POWER SUPPLY TO UNLATCH PANIC PRIOR TO AUTO-OPERATION.
3. IF OWNER DESIRES UNLOCKING UPON FIRE ALARM WHEN IN "SECURED MODE", SWITCH OPERATION TO "UNSECURED MODE" UPON ALARM. OTHERWISE DOOR TO REMAIN IN EITHER "SECURE MODE" OR "UNSECURE MODE" UPON FIRE ALARM.



F1 CARD ACCESS AUTO-OPERATOR INTERFACE WIRING DETAIL (TYPICAL)

NTS

NOTES

1. PROVIDE RACEWAY AND EQUIPMENT AS INDICATED FOR CARD ACCESS DOOR TYPE INDICATED. REFER TO SECTION 281300 AND CARD ACCESS AUTO-DOOR AND LOCK CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE CONCEALED .75" C TYPICAL FOR LINES SHOWN TO DEVICE BOXES ON PROTECTED SIDE AND UNPROTECTED SIDE ELEVATIONS.
3. CONFIRM CORRECT CARD ACCESS DOOR RACEWAY, LOCK VOLTAGE, AND EXIT SWITCH CURRENT RATING (2 AMPS MIN.) WITH DIV. 8 FURNISHED CARD ACCESS DOOR HARDWARE PER DIV. 8 DOOR HARDWARE SUBMITTALS.
4. POWER SUPPLIES FOR ELECTRIC LATCH RETRACTION EXIT HARDWARE FOR FIRE ALARM CONTROL BY DIV. 8.
5. LOCATE CARD READER BOX AS INDICATED ON FLOOR PLANS. RACEWAY AND BOXES BY DIV. 16. REFER TO 281300 FOR CARD ACCESS SYSTEM REQUIREMENTS.
6. DOUBLE 4SQ J-BOX ON PROTECTED SIDE OF DOORWAY (SIDE OPPOSITE OF CARD READER) ABOVE ACCESSIBLE CEILING OR IN OTHER ACCESSIBLE LOCATION. PROVIDE COVER FOR J-BOX.
7. ELECTRIC LOCKING HARDWARE (MAG LOCKS, ELECTRIC STRIKES, POWER TRANSFER HINGES, ETC.) BY DIV 8. REVIEW DOOR HARDWARE FURNISHED AND VERIFY LOCK VOLTAGES AND OPERATIONAL FUNCTIONALITY OF LOCKS. CONTACT ENGINEER WITH QUESTIONS OR CONCERNS.
8. IF NO CARD READER SHOWN ON FLOOR WITH CARD ACCESS DOOR TYPE, THEN DOOR TO OPENING ON SYSTEM LOCKING SCHEDULE. INCLUDE ALL CABLES FOR FUTURE C.R. UPGRADE.

ABBREVIATIONS

DBL = DOUBLE
DIR = DIRECTION
HDWR = HARDWARE
C = CONDUIT
4SQ = FOUR SQUARE
W/ = WITH
1G = 1 GANG
PWR = POWER
ACC = ACCESSIBLE
OCC = OCCUPANCY
TYP = TYPICAL
OFP = OBTAIN FROM PLANS
A/R = AS REQUIRED
MHO = MAGNETIC HOLD OPEN

SECURITY EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MOUNTING *	ROUGH-IN	QTY	ACCEPTABLE TYPES
CR	CARD READER	40"	4SQ W/ 1G RING	OFP	SEE SECTION 281300
#1	CARD ACCESS DOOR TYPE, TYPICAL. REFER TO CARD ACCESS DOOR TYPE SCHEDULE.	SEE SCHEDULE	SEE SCHEDULE	OFP	REFER TO CARD ACCESS DOOR TYPE SCHEDULE & SECTION 281300
CTR	CARD ACCESS CONTROLLERS & PWR SUPPLIES	72"	4"x4" GUTTER & STUBS A/R	A/R	SEE SECTION 281300
◉	360° CEILING MOUNTED INTRUSION DETECTION MOTION DETECTOR	CEILING	4-0 BOX	OFP	SEE SECTION 281600
A(#)	CARD ACCESS DOOR CABLES. NUMBER IN PARENTHESES INDICATE QUANTITY.	AS NOTED	.75" C	OFP	
	ELECTRIC LOCK				BELDEN 8461, WEST PENN 224
	CARD READER(S)				BELDEN 9536 OR EQUIV.
	CONTACT INDICATOR				BELDEN 8442, WEST PENN 221
	EXIT MOTION DETECTOR				BELDEN 8444, WEST PENN 241
	AUX CABLE (WHEN INDICATED)				BELDEN 8461, WEST PENN 224

* COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS BEFORE INSTALLATION.

CARD ACCESS DOOR TYPE SCHEDULE (TYPICAL)

DOOR TYPE #	SYMBOL	DESCRIPTION	PROTECTED SIDE ELEVATION	UNPROTECTED SIDE ELEVATION	LOCK TYPE(S)	INCLUDES:
TYPE 5:	CTR, #2, CR	PAIR DOOR, 1 CARD READER, (SINGLE DIR EGRESS), AUTO-DOOR	PWR SUPPLY ABOVE ACC CEILING; EXIT MOTION 1G BOX; DBL 4SQ J-BOX ABOVE ACC CEILING; CONTACT INDICATORS 1G BOXES IN FRAME; .75" C (TYP); TRANSFER HINGES 1G BOXES IN FRAME (EGRESS SIDE); ELECTRIC PANIC HDWR	DBL 4SQ J-BOX ABOVE ACC CEILING; .75" C (TYP); CARD READER 4SQ. BOX W/1G RING; 48"	ELECTRIC PANIC HDWR	* CARD READER * EXIT MOTION DETECTOR * CONTACT INDICATORS (BY DOOR HDWR) * LOCK PWR (PWR SUPPLY & LOCKS BY DOOR HDWR) * TRANSFER HINGES (PWR TRANSFER HINGES BY DOOR HDWR) * ELEC PANIC HDWR (PANIC HDWR & PWR SUPPLY BY DOOR HDWR FOR LOCKING AND FIRE ALARM DOGGING) * AUTO-DOOR RELAYS (REFER TO AUTO-DOOR ACCESS CONTROL DETAIL) * AUTO-DOOR PUSH-PADS (PUSH-PAD BOX LOCATIONS SHOWN ON FLPL'S)

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Drawing Title: CARD ACCESS, SYSTEM DETAILS AND SCHEDULES
Approved: Project Director
Project Title: CT SITE PREP
Location: VAMC - SALT LAKE CITY, UT
Date: OCTOBER 30, 2012
Checked: TXH
Drawn: PSS
Project Number: 660-CSI-104
Building Number: B.01
Drawing Number: EY602
Dwg. 59 of 59

Office of Construction and Facilities Management
Department of Veterans Affairs

File Name: P:\2012\2012027B\Drawings\3Sheet\76EY602.dwg Last Plotted: 2013/06/10 @ 2:53 PM By: dxh

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